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Oil, Paint and Drug Reporter

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Paint Makers Price Regulations Modified

Manufacturers of paints, varnish and lacquers have been authorized by the Office of Price Stabilization to elect not to price these commodities under the general manufacturers ceiling price regulation (CPR 22), it was announced by the agency December 19.

Also, OPS clarified the authorization granted to manufacturers to postpone pricing under CPR 22 and to continue pricing under the General Ceiling Price Regulation. Some questions had arisen as to whether a manufacturer may elect to price under CPR 22 as to some commodities in a group and postpone pricing as to other commodities in the same group.

Amendment 6 to SR 12 of CPR 22, announced December 19, makes it clear that a manufacturer cannot take limited action, but must price all commodities in a numbered paragraph under CPR 22, or continue to price all of them under GCPR.

Some of the commodities listed under SR 12 to CPR 22 have now been rearranged so that only commodities having pricing problems in common are included in the same paragraph. Thus, petrochemicals appear in one paragraph, all nitrogen compounds in another, and mixed fertilizer in a third.

In placing paints, varnishes and lacquers under SR 12 to CPR 22, OPS pointed out that these products are now covered by SR 6 to CPR 22, which has an indefinite effective data. Pending a revision of SR 6, OPS said, manufacturers of these products may elect to retain their GCPR ceilings or compute their ceilings under SR 6.

NPA Acts to Conserve Lead

As a measure to conserve critically short lead, the National Production Authority has limited the production of automotive storage batteries to batteries having life expectancies of at least eighteen months, and prohibited the output of high ampere-hour "de luxe" models. The restrictions were contained in order M-93, announced December 19 to be effective March 1, 1952, which limits the manufacture of most six-volt, lead-acid storage batteries to minimum and maximum ampere-hour ratings within five specified battery classification.

DMPA to Set Up Domestic Mica Purchasing Program

Increased production of high grade mica from domestic mines is being planned for 1952 under terms of a government-guaranteed purchasing program, the Defense Materials Procurement Agency announced last week. Jess Larson, administrator of DMPA, said his agency is working on a domestic program which will involve purchasing of high grade mica under a price schedule designed to ensure operators of a sustained opportunity to develop their mines, as well as to stimulate reopening additional sources of the critically needed mineral, where an outlet for production is assured.

Mr. Larson said that while details of the plan have not yet been worked out, he is announcing its consideration at this time because of speculation in mining circles as to the government's plans for domestic mica. The program also will be designed to cover such materials as beryl, columbite and tantalite which are very often found in veins with mica.

Titanium Dioxide Pricing Is Placed Under CPR 22

The Office of Price Stabilization announced December 20 that effective December 26 ceiling prices for titanium dioxide must be determined under the provisions of the manufacturers price regulation (CPR 22) instead of the General Ceiling Price Regulation. The action was taken in amendment 38 to CPR 22.

It was explained that the policy of OPS is to price extractive industries under GCPR and products made from such materials under CPR 22. Since titanium dioxide is produced from titanium by chemical processes, it is considered a manufactured product and its placement under CPR 22 is consistent with the agency's policies, it was stated.

US Urged to Increase Nitrogen Capacity Beyond Present Plans

The nitrogen industry advisory last week recommended to the National Production Authority that an additional 220,000 tons of nitrogen capacity be developed over and above present proposed construction in order to meet estimated requirements for the calendar year 1955. As previously announced by NPA, sixteen new or exp..nded plants with an annual capacity of 620,800 tons are now under construction or planned for immediate construction. The committee recommended that:—

(1) The need for an additional 220,000 tons of nitrogen in the calendar year 1955 is indicated, and NPA should develop a new nitrogen program for this quantity provided that the beginning of this additional expansion be timed to follow rather than parallel the current nitrogen expansion program.

(3) NPA should obtain from holders of projects for the conversion of liquid ammonia to solid nitrogen fertilizers. This recommendation applies to facilities now in existence or under construction.

(3 NPA should obtain from holders of certificates of necessity definite assurance that construction of ammon:.. facilities will start soon and that work will be prosecuted as rapidly as practical. If any certificate holder withdraws from the program a satisfactory replacement should immediately be made.

(4) The Department of Agriculture should complete a state-by-state survey now being made of the estimated nitrogen requirements for 1955.

Nitrogen Supplies in 1955

The committee presented figures to show that the potential nitrogen supplies for the calendar year 1955, based on estimated capacity, amount to 2,680,000 short tons of nitrogen. The estimated supply is made up as follows:—From synthetic ammonia, less conversion losses of 100,000 tons, 2,220,000 tons; from by-product nitrogen, 220,000 tons; from organic sources, 40,000 tons, and from imports, 300,000 tons.

The requirements for 1955 were set at 2,700,000 short tons of nitrogen made up as follows:—Industrial, 600,000 tons; military, 100,000 tons; export, 100,000 tons, and agriculture, 1,900,000 tons. The requirement figure showed a 20,000-ton deficit, to which was added 200,000 tons for contingency purposes to arrive at the total recommended additional capacity figure of 220,000 tons.

The item of contingency was included to provide a margin of safety for extraordinary agricultural or industrial developments as well as for possible military requirements. Such a cushion was furthermore required, the group stated, because of geographical considerations to obviate excessive transportation problems.

Nitrogenous Fertilizer Needs

A Department of Agriculture spokesman stated that the proposed additional capacity recommended by the committee falls short of the department's estimates of the country's needs for nitrogenous fertilizers if estimated food requirements and grain reserves are to be met. He pointed out that nitrogen fertilizer use increased 83 percent between 1945-46 and 1950-51, with consumption rising from 751,000 tons to 1,285,000 tons. A similar

—Continued on page 74

OPS Lifts Price Control From Some Fertilizer Items

Price control was lifted by the Office of Price Stabilization December 20 from certain fertilizer materials and certain uranium salts and oxides sold under license of the Atomic Energy Commission. The exemption is prescribed in amendment 4 to GOR 3, and is effective December 26.

The decontrolled fertilizer items are:—Acid fish scrap, almond shells, beet sugar residue, cocoa shell meal, cocoa tankage, compost, cotton hull ashes, distillery waste, furfural waste, grape pumice, guano. hoof and horn meal, humus, animal and fowl manure, mowrah meal, muck, mustard meal, peanut hulls, peat, peatmoss, precipitated bone, rapeseed meal, ravison meal, spent bone black, tung nut hulls, tung oil pumice, wood ashes, and wood waste.

The decontrolled fertilizers amount to about 465,000 tons annually, including about 200,000 tons of organic materials with little plant food content used as mulches and soil conditioners.

The uranium salts and oxides, which are provided by one company under license to industrial users, are valued at only about $100,000 annually. Some are used as analytical reagents for research for certain medical purposes, and as an ingredient in a special type of glass.

Steel Shipping Drum Supply Curbs Modified

The National Production Authority modified limitations on steel shipping drum inventories December 20 to permit packer to have a forty-five-day supply of each size and each type of drum. Formerly, the forty-five-day limitation applied to total inventory of steel drums regardless of size and type. A number of other changes were made in the steel drum limitation order (M-75), including the followinfi:—

Used drums having a capacity of thirty gallons or more which are constructed of twenty-four gauge or lighter steel were exempted from limitations.

Also exempted were drums used as intra- or inter-plant containers, drums which are of a particular type required by the Interstate Commerce Commission, Coast Guard or consolidated or motor freight classifications, and drums owned by farmers, feed mixers or distributors of inedible molasses and used to pack inedible molasses.

The order was also amended in a number of respects for the purpose of clarifying the prohibitions contained in schedule I of items which cannot be packed in new or used steel drums.

OAP Inaction on Schering, Gen'l Aniline to Be Probed

An investigation by the senate judiciary committee into the failure of the Office of Alien Property to dispose of Schering Corporation, General Aniline & Film Corporation and other manufacturing properties seized during the war is to be requested by Senator Alexander Wiley of Wisconsin early next month when congress reconvenes.

At the senator's request, OAP has supplied him with considerable data on salaries and fees paid to top officials and law firms in the companies taken over from Germany, and this information will be explored further during the hearings. Failure of OAP to decide whether the valuable hormone patents owned by Schering should be sold along with the company or made available for free licensing has been given as one reason for the delay in disposing of the property.

NPA Lifts Curbs on Four Chemicals, Limits 7 Others

The National Production Authority last week lifted inventory restrictions from four chemicals because of better supply conditions, and placed tighter limitations on inventories of seven other chemicals in short supply.

In an amendment to NPA regulation 1, which governs inventories, the agency removed all inventory restrictions from nicotinamide, nicotinic acid, phenolic resins and molding powders and polyvinyl acetate, all of which had been limited to a practicable minimum working inventory.

Cellophane and the following seven types of chemicals were added to the list of items restricted to a practical minimum working inventory:—Aluminum sulphate, argon, barium chemicals, lead chemicals, monochlorotrifluorethylene, phenothiazine and sulphonated oils.

Fertilizer Meeting Jan. 18

A meeting of the fertilizer industry advisory committee of the Production and Marketing Administration, Department of Agriculture, has been scheduled for January 18 in Washington, D. C. PMA officials urge all committee members to attend the meeting.

Price Trend Turns Downward

Weakness continued to dominate the markets for essential oils and oils and fats last week and the general overall price index number for chemicals, oils and drugs dipped 0.1 point. It was 0.6 point above that of this time last year.

Insofar as prompt delivery selling was concerned, the market for essential oils and aromatic chemicals was at a standstill; considerable business was being done for delivery early in 1952. Where prices were not held unchanged, they were reduced, usually because of competitive conditions.

Prices for oils and fats continued unsettled. Further declines took place in edible grades, namely, corn, peanut and soybean oils. Weakness of greases and lower grades of tallow affected other industrial animal oils and quotations, while unchanged, were merely nominal and could have been shaded for grease and tallow oils. Other reductions were made in red oil, stearic and tallow fatty acids, linseed oil, copra and coconut oil. Tung oil and carnauba wax were advanced.

Lead arsenate was priced higher, due to the recent advance in litharge occasioned by the increase in metallic lead prices. Synthetic ammonium sulphate is slated for a higher price and some producers of ammonium nitrate plan a price boost the first of the year. BHC dry dust, 50 percent (cotton dust) prices have been lowered under keen competition and in producing quarters it was stated that the decline will eventually be reflected in the technical grade.

Quicksilver was reduced, primarily because there is no current buying interest and will not be until after the first of the year. There was increased buying of light soda ash; some consumers being forced to replenish inventories. The market position of carbon bisulphide was reported to be exceedingly strong.

For the second time in a month, corn syrup was advanced, a reflection of increased commodity costs. Skimmed milk powder, roller process, followed the previous week's advance in the spray process. Imported argols were priced higher and this is expected to be reflected in tartaric acid and tartaric salts. Cocoa butter was reduced.

Botanical drug items were steady in price and there was reason to believe there would be some improvement early in the new year. Suppliers in general have a fair-sized backlog of orders that call for billing and delivery next month and, for that reason, the first two weeks of the month are expected to be busy ones.

Business volume in coaltar intermediates was off sharply. The spot cresylic acid price was lowered, with several consumers reported trying to unload inventories at a sacrifice. Firmness in sizing materials featured the textile and leather chemicals market. Corn derivatives were stronger and dextrin, starch and tanners sugar were advanced fractionally. There was little of new feature among the protective coatings materials beyond a price drop in quicksilver vermilion.

OPD Price Index

The Oil, Paint and Drug Reporter's relative record of prices of chemicals and related materials is currently as follows:—

Dec. 21, 1951	Dec. 14, 1951	July 1, 1950	Dec. 15, 1950
147.1	147.2	121.1	146.5

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1951	1950	1947	1946	1941
January	150.8	123.2	150.9	135.2	107.3
February	152.7	121.3	151.9	135.4	110.3
March	154.3	121.8	154.9	135.2	111.9
April	154.4	121.0	152.3	134.5	115.5
May	153.7	120.6	146.1	135.1	118.2
June	151.4	120.7	143.9	135.4	121.9
July	149.0	122.8	143.5	137.7	125.5
August	148.1	126.5	140.4	136.6	126.2
September	149.2	135.1	141.9	137.0	130.4
October	148.9	137.6	146.1	143.1	133.9
November	149.3	138.4	149.7	149.2	135.1

Fluorspar Use Order Details Are Revealed

Two limitation orders on the consumption of high-grade fluorspar and hydrofluoric acid and its derivatives, designed to conserve 15,000 tons of fluorspar annually, were outlined by the National Production Authority at a meeting of the hydrofluoric acid industry advisory committee December 18.

NPA pointed out that the defense program and expanding civilian uses have sharply increased consumption of hydrofluoric acid and its derivatives. Consumption in 1950 totalled 78,000,000 pounds and consumption in 1951 is estimated at 88,000,000 pounds. Estimated requirements for 1952 amount to 105,000,000 pounds.

To manufacture 105,000,000 pounds of hydrofluoric acid and its derivatives, 122,000 tons of acid grade fluorspar would be required. Present estimates set the 1952 availability of acid grade fluorspar at 110,000 tons which would provide for about 95,000,000 pounds of hydrofluoric acid and its derivatives.

Fluorspar Order

The proposed limitation order on fluorspar would:—

1. Limit the use of high-grade fluorspar in the glass making and porcelain enamel industries to 50 percent of the amount used during the calendar year 1950. (Under the proposed order "high-grade fluorspar" would be defined as fluorspar containing 96 percent calcium fluoride and 1½ percent or less of silica.)

2. Limit inventories on high-grade fluorspar to forty-five calendar days. The fluorspar limitation order would not limit the amount of ceramic-grade fluorspar which might be used by the glass-making or porcelain enamel industries. Ceramic grade fluorspar would be defined in the order as fluorspar containing 94 percent calcium fluoride with 1½ or more percent of silica.

Hydrofluoric Acid Order

The proposed order controlling use of hydrofluoric acid and its derivatives would:—

1. Fully support the requirements of the folowing uses:—Preparation of aviation gasoline, atomic energy uses, Chemical Corps uses, Freon (direct) to the US government, Freon for use as aerosol pro-

—*Continued on page 74*

Heyden Divests Interests In Detroit, Canadian Firms

Heyden Chemical Corporation, New York, continuing its program of greater concentration in the fine chemicals and antibiotics fields, has sold substantially all the assets of its subsidiaries, Jamieson Pharmacal Company and Nyal Company, both of Detroit, Mich., to a group of private investors, according to John P. Remensnyder, Heyden president. Heyden has also sold all of the stock of its wholly-owned Canadian subsidiary, C. E. Jamieson & Co. (Dominion), Ltd., to the same group.

Jamieson Pharmacal has been engaged in the manufacture and distribution of drug products with production facilities centered in Detroit. Nyal has been engaged in the distribution of drug sundries with headquarters in Detroit.

In line with its integration program, Heyden recently disposed of its 25 percent interest in American Potash & Chemical Corporation, sold its Rumford division, which specialized in baking powder and sulphuric acid, and also sold its Memphis, Tenn., plant, which produced caustic soda, chlorine and hydrogen gas.

Heyden is now carrying out a $8,500,000 expansion program which will double production facilities for antibiotics and substantially increase production facilities for pentaerythritol, resorcinol and chlorinated toluene derivatives. It has also purchased land in Texas to produce methanol and other products.

CSC Names Luedeke New York Sales Mgr.

Arthur W. Luedeke, formerly district manager of the Cleveland office of Commercial Solvents Corporation, has been appointed district manager of the New York sales office, with James McInnes, jr., as assistant district manager, it has been announced by W. Ward Jackson, general manager of the industrial chemicals division. This sales office now includes all of the Eastern Seaboard, excluding the New England states.

Bernard F. Nachtman, previously in charge of the Kansas City office, has replaced Mr. Luedeke as district manager of the Cleveland office.

Retiring, Incoming General Chemical Presidents

M. M. Biddison (right) has been appointed president of General Chemical Division, Allied Chemical & Dye Corporation, New York, effective January 1, succeeding H. O. C. Ingraham, who will retire at the end of this year. Mr. Biddison, with General Chemical for over thirty years, has held various posts in the sales and executive branches of the company, and has been a vice-president since 1947. Mr. Ingraham has been associated with General Chemical and its predecessor for twenty-eight years. As vice-president of the concern, he assumed active charge of its business in 1926 and has been its president since 1941.

OPS Exempts Antimony Ores From Price Control

The Office of Price Stabilization last week exempted from price control domestic antimony ores and concentrates, graphite foundry facings, synthetic crystals, and soapstone and serpentine dimension building stones. OPS also broadened the definition of exempt acid grade fluorspar so as to encourage domestic production.

The action, which was taken in amendment 10 to GOR 9, effective December 19, eliminates the work of controlling prices of the exempted commodities, whose price rise would have insignificant effect on the cost of living and on the defense program, anyway. OPS officials explained that the part played by the exempted commodities in an end-product in which they are used is so slight that any price increase can be absorbed by the manufacturer. They added that the products which use the exempted commodities remain under price control.

Domestic production of acid grade fluorspar is expected to be stimulated by the action because the re-definition of the product will encourage mining of certain acid grade fluorspar ore containing impurities excluded by the previous definition. On August 10, 1951, amendment 4 to GOR 9 was intended to exempt all sales of acid fluorspar from price control. The definition in amendment 4 was based on a chemical analysis which excluded certain kinds of acid grade fluorspar containing impurities even though they are suitable for commercial use. The re-definition in the new action exempts from price control virtually all acid grade fluorspar which is commercially usable.

Futures Contracts Defaults Position Maintained by OPS

The Office of Price Stabilization has declined to modify an agency opinion that settlement prices for defaults on futures contracts in excess of the spot ceiling price for the commodity involved are not permissible under the defense production act, it was announced December 18.

Modification of the ruling was requested by the Chicago Board of Trade, which proposed a settlement price of $79 a ton for defaulted contracts for delivery of soybean meal last November. The spot ceiling price for this commodity is $74 a ton, f.o.b., Decatur, Ill.

Carbide Offering Two New Diols Commercially

Two new diols, 2-ethyl-2-butyl propanediol-1,3 and 2,2-diethyl propanediol-1,3, are now commercially available from Carbide & Carbon Chemicals Company, a division of Union Carbide & Carbon Corporation, New York. A recently issued technical bulletin describes physical, chemical, and physiological properties of these chemicals. They are said to undergo most of the reactions characteristic of primary alcohols and are claimed to form esters that are useful as plasticizers, synthetic lubricants, and emulsifying agents.

Tungsten World Allocations Increased for 1st Quarter

Allocations of tungsten for the first quarter of 1952 have been increased 12½ percent over the quotas for the current calendar quarter by the International Materials Conference, it was announced December 19. No change is made in the allocations of molybdenum, however.

The United States' share of the free-world tungsten supply is fixed at 1,748 metric tons of ores and concentrates of which fifty-five tons is to be exported as primary products, either in the form of ferro-tungsten, tungsten powder, tungstic acid and tungsten salts. In the case of molybdenum the United States share remains the same as for the fourth quarter of 545 metric tons of ores and concentrates of which thirty-two tons will be for export in the form of ferro-molybdenum, molybdic acid and molybdenum salts, including calcium-molybdate and molybdic oxide.

For the first quarter of 1952, the tungsten-molybdenum committee of IMC estimates the total production of tungsten in the free world at 3,700 metric tons, and of molybdenum at 4,800 metric tons (metal content in each case).

Pennsalt Plans to Increase Synthetic Ammonia Capacity

The Pennsylvania Salt Manufacturing Company, Philadelphia, has announced that it will increase production capacity for synthetic anhydrous ammonia at its Wyandotte, Mich., works by approximately 110 percent. The new facilities will be added to Pennsalt's present ammonia plant at an estimated cost of $2,200,000. Construction will begin early in 1952 and is scheduled for completion early in 1953.

The new unit will use the Casale process, a high-pressure system developed in Italy. Engineer-constructors will be the Foster Wheeler Corporation, and the project will be under the direction of Pennsalt's Wyandotte engineering department. The new synthetic anhydrous ammonia plant will use by-product hydrogen from electrolytic chlorine and caustic soda production and nitrogen obtained from air separation.

Foreign Sales Leads

Firms in the United States who are interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please — with the OPD office, 30 Church street, New York 7:—

Agricultural chemicals (insecticides and fertilizer), Rio de Janeiro, Brazil (IK-4, agency).

Chemicals, unspecified, Joao Pessoa, Paraiba, Brazil (IK-5, agency).

Cosmetics, Managua, Nicaragua (IK-1).

Insecticides, Managua, Nicaragua (IK-1).

Medicinal specialties, San Salvador, El Salvador (IK-3, agency).

Palm oil fatty acid, Tripoli, Lebanon (IK-2, sole agency).

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Sumner Pike Quits AEC

Sumner T. Pike resigned as a member of the Atomic Energy Commission December 15, and his resignation was accepted with regrets by the President. No successor has yet been appointed.

Pennsalt Realignment Of Sales Is Completed

The Pennsylvania Salt Manufacturing Company, Philadelphia, has completed steps in a new organization of its sales division, William P. Drake, vice-president

Russell S. Roeller

in charge of sales, has announced. The new set-up, which has been two years in the making, is designed to consolidate sales administration while retaining specialization essential to the company's diversified interests, and at the same time to provide more emphasis on planning for current and future sales activities, Mr. Drake said.

The line organization of the sales division is headed by Russell S. Roeller as general sales manager. Mr. Roeller previously was an assistant general sales manager, a position now eliminated. Reporting to him are Albert H. Clem as field sales manager, Edwin S. Garverich as manager

—Continued on page 33

Foreign Trade Lists

Lists of foreign outlets and sources for chemicals and related materials and consumers goods, recently compiled by the Commercial Intelligence Division of the United States Department of Commerce, include the following, which are available from the division at $1 a list for any one country:—

Chemicals importers, dealers—Guatemala.

Crude drugs producers, exporters—India.

Petroleum industry—Algeria.

Plastic materials manufacturers, molders, etc.—Norway.

P.A.'s-Eye View of Business

Composite view, December 23, of purchasing agents composing the Business Survey Committee of the National Association of Purchasing Agents,

December reports of purchasing executives on general business conditions are no encouraging. The trend to lower industrial activity reported in November has continued, and the decline is much more pronounced. Production held up fairly well during the first half of the month, then tapered off, and the long holiday closedowns will bring the year to an end on a low production rate. New orders have taken a sharp drop, 36 percent reporting lower backlogs, the largest number since July-August of this year. This decline in new business comes in the face of continued price strength, and the portent of more to come, from Capehart formula pricing and steel wage negotiations. Inventories are lower; the number of employed is holding up, but there are soft spots in several areas and more short time. Buying policy is predominantly within the ninety-day range.

Purchasing agents are reluctant to make long-term New Year forecasts. Cutting through the hedges of possibilities and influences of war, peace, Administration policies and politics, the consensus is that civilian production, to which the industrial economy is still predominately geared, will be low for the first quarter of 1952—much lower than during the fourth quarter of 1951. Defense production will increase substantially, but the volume will not be large enough, nor can it be spread wide enough, to cover the bare spots now developing and which are expected to show up in early 1952.

Commodity Prices

The general trend of industrial material prices is a sidewise movement in December, with a further show of strength being currently supported by advances that may be authorized by the revised control law. Many small increases justified under OPS pricing rules have not reached buyers and may be withheld, awaiting more favorable business conditions. Warehouse stocks of many maintenance, repair and operating supply items are heavy, compared to present slow sales. The outcome of steel wage negotiations, and its effect on prices, will influence the price trend in the immediate future.

Inventories

Purchased material and parts inventories took a decided drop this month. Inventory managers, endeavoring to adjust and balance stocks to lower order books, Indian gift first-quarter CMP allotments, and year-end inventory taking, are slowing down on intake. That policy is expected to continue well into the first quarter of 1952. Some report inventory increases, attributing them to reduced production schedules and an accelerated delivery movement from vendors. Policy on inventory is becoming very conservative.

Employment

Despite cutbacks in civilian goods production, over-all industrial employment remains high. Many layoffs are being absorbed by defense plants. Several areas report a dearth in skilled workers, particularly in engineering and tooling makeready for government contracts. Others have reduced working hours. Plant closedowns for the holidays and year-end inventory will be more numerous this year.

Buying Policy

Purchasing executives are still holding very conservative views on future commitments; 87 percent, the same number as last month, are continuing to keep within a ninety-day range. Filling in current requirements from the more plentiful distributors' stocks reduces the scheduling of longer-term mill shipments for many consumers. Uncertainty of future CMP allotments restricts the purchasing of

—Continued on page 75

Washington Talks It Over

By Ralph L. Cherry

The attitude of the Federal Trade Commission towards functional discounts continues to worry the business community and, despite denials that the commission hopes to outlaw these pricing practices, they continue to crop up. The reason is obvious.

It has been over a year now since the commission brought a complaint against the spark plug manufacturers sharply questioning the legality of their functional discounts and intimating that they should be outlawed. Arguments were held on the complaint many months ago, but still there has been no sign of a decision from the commission. The longer the decision is delayed, the more worried becomes the business community .

In fact, the situation has reached such a state, that Chairman James Mead made it one of the main points in his talk recently to the automobile parts people. For his own part, he said, he has no intention of voting to outlaw functional discounts and, furthermore, he doubts whether the commission has the authority to do that if it wanted to. His efforts to clarify the situation were far from 100 percent effective, however, because he had to point out that he was only one member of the commission and therefore couldn't speak for the majority.

Furthermore, while he questioned the legal authority of the commission to outlaw functional discounts, he emphasized that the law permits differentials in price only when they result from varying and justifiable differences in cost of manufacture, sale and delivery, and provided they are the same to all who compete in the same market.

Margarine Production

The margarine industry is making new history this year. There's just an outside chance that production of this product will equal, or nearly so, the production of but-

—Continued on page 34

Shell Vice-President

G. R. Monkhouse, general manager of the western division of Shell Chemical Corporation, has been elected vice-president of the western division, effective January 1. He will continue to make his headquarters in San Francisco, Calif. Mr. Monkhouse began his career with Shell in 1921.

P.W. Meyeringh, Hercules Vice-President, to Retire

Petrus W. Meyeringh, vice-president, director, and member of the executive committee of Hercules Powder Company, Wilmington, Del., is retiring this month

Petrus W. Meyeringh

for reasons of health, the company has announced. His retiremenet ends an association with Hercules which began nearly thirty years ago in The Hague, Holland.

Mr. Meyeringh became president of the N. V. Netherlands Chemical & Raw Material Company of Rotterdam in 1920, a company specializing in the sale of chemicals and Far Eastern produce. The firm became a distributor in Holland for Hercules products in 1921.

Two years later, Mr. Meyeringh resigned from the Netherlands company to become a member of the Hercules organization, in charge of European sales. He was appointed manager of N. V. Hercules Powder Company in Rotterdam and The Hague in 1925, and spent the next five years organizing the groundwork of the company's present world trade.

Mr. Meyeringh came to the United States in 1930 as manager of the Hercules foreign relations department. He was elected a director of the company in 1937, and vice-president in 1941.

Phillips Petroleum Acquires Control of Alamo Chemical

Phillips Petroleum Company, Bartlesville, Okla., has acquired all interests in Alamo Chemical Company previously held by the Borden Company and General Aniline & Film Corporation, according to an announcement from Phillips.

Phillips Chemical Company, wholly-owned subsidiary of Phillips Petroleum, is starting construction immediately on the large plant which Alamo had projected for producing ammonia, methanol and other chemicals made from petroleum raw materials. The new plant will be located on a 500-acre tract of land adjoining the present 340-acre site of Phillips Chemical's ammonium sulphate plant at Adams Terminal on the Houston Ship Channel. The new facilities are expected to serve as a basis for the future manufacture of a wide variety of petrochemicals.

MCA Gives Chemicals In Foods Parley Plans

Manufacturing Chemists Association has drawn up the program for its inter-industry conference on chemicals in foods, to be held January 15 at the Statler hotel, New York.

The meeting will be opened by Charles W. Munson, MCA board chairman. He will be followed by Dr. Howard C. Spencer, chairman of the MCA committee on chemicals in foods. Mary Barber, food consultant, will discuss "New Foods and Better Home Management." George Garnatz, director of the Kroger Foundation, will speak on "Progress in Food Quality." Dr. F. I. Gunderson, vice-president of Pillsbury Mills, Inc., will talk on "Improvement in Nutritive Value of Foods." The concluding morning speaker will be Dr. John Foulger, director of the Haskell Laboratory, E. I. duPont de Nemours & Co., who will discuss "Chemicals and Health."

Luncheon is scheduled at 12:15 p.m. The speaker will be Hans A. Eggers, president of the Continental Can Company. Leading off the afternoon program will be Charles W. Crawford, Commissioner of the Food and Drug Administration. His topic will be "The Present Law and the Public Welfare." Dr. F. N. Peters, vice-president of Quaker Oats Company, will speak on "The Effect of Legislative Controls on Research and Development." Dr. Spencer will give "The Chemical Industry's Statement of Position on the Relationship of Chemicals to Foods." A discussion period will follow on the legal aspects of the problem. Concluding item on the agenda will be a community relations panel, which will cover, among other subjects, "Informing the Public," and will have representatives of the chemical, food and allied industries as participants.

Int'l Minerals Acquires Eastern Clay Products

International Minerals & Chemical Corporation, Chicago, has acquired all the outstanding capital stock of Eastern Clay Products, Inc. The acquired concern will be absorbed into a newly-created industrial minerals division of International Minerals, which now has five products divisions—phosphate, plant food, potash, amino acids and industrial minerals.

Eastern Clay produces swelling bentonites, which are used as drilling muds in oil fields, and other grades on bentonites and clays which are used in foundries and industrial applications. It operates clay and bentonite plants at Belle Fourche, S. D.; Smithville, Miss., and Bondclay and Lawco, Ohio. It also has a refractories plant and main office at Jackson, Ohio.

Norman J. Dunbeck, vice-president and operating head of Eastern Clay, has been elected a vice-president of International Minerals in charge of its new industrial minerals division. In that post he will continue to direct Eastern's operations.

Stauffer to Build Hydrogen Chloride Plant at Louisville

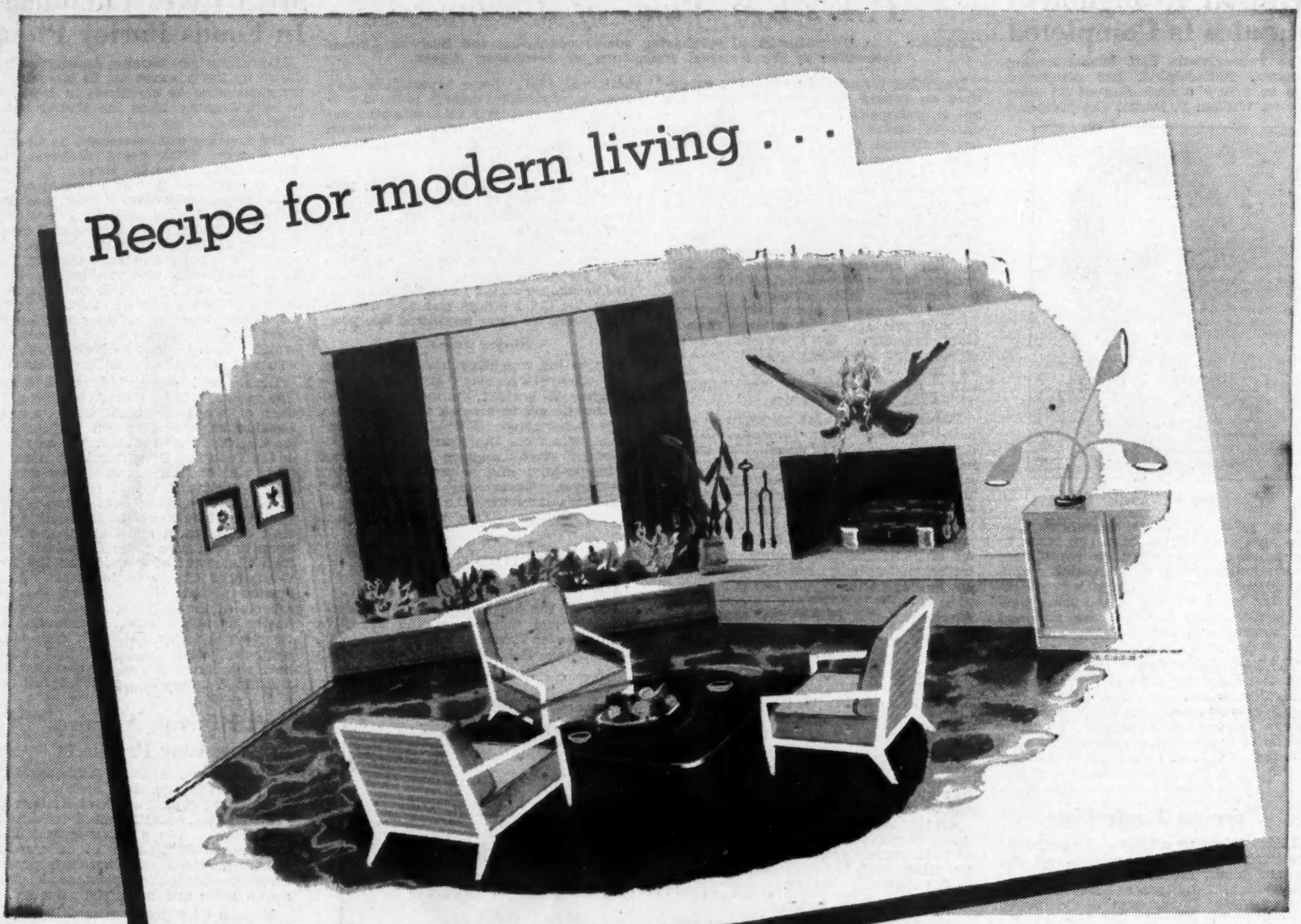
The Stauffer Chemical Company, San Francisco, Calif., has announced plans to construct a plant at Louisville, Ky., for the production of anhydrous hydrogen chloride, carbon tetrachloride and perchlorethylene. The process, developed by Stauffer's chemists and engineers, consists of chlorinating a hydrocarbon gas. By varying the process slightly, the company stated, other organic products may be obtained in addition to those mentioned. For the present, however, only the above three will be made.

The hydrogen chloride will be used locally in the manufacture of neoprene synthetic rubber, and the carbon tetrachloride in the manufacture of Freon for refrigeration, aerosols and other purposes.

Food Machinery and National Distillers to Make Soda Ash

Intermountain Chemical Corporation, a jointly-owned subsidiary of the Food Machinery & Chemical Corporation and National Distillers Products Corporation, plans to get into immediate construction on a $16,300,000 plant near Green River, Wyo., for the production of soda ash from trona, it was revealed last week. The announcement came following approval by the Defense Production Administration of a certificate of necessity allowing rapid tax amortization of the project.

The plant will refine 300,000 tons of soda ash annually from $650,000 tons of trona. Westvaco Chemical Division of Food Machinery will be exclusive sales agent and will manage the operation.



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Association Meetings

American Association of Textile Chemists and Colorists, annual meeting, Statler hotel, Boston, Mass., November 6-8, 1952.

American Chemical Society, national meeting, Buffalo, N. Y., March 23-27, 1952.

American Drug Manufacturers Association, annual meeting, Homestead hotel, Hot Springs, Va., April 26-May 1, 1952.

American Oil Chemists Society, spring meeting, Shamrock hotel, Houston, Tex., April 28-30, 1952.

American Pharmaceutical Manufacturers Association, eastern scientific section, Roosevelt hotel, New York, January 29, 1952; annual meeting, Boca Raton Club, Boca Raton, Fla., April 7-9, 1952.

American Society for Testing Materials, spring meeting and committee week, Statler hotel, Cleveland Ohio, March 3-7, 1952; annual meeting, Statler and New Yorker hotels, New York, June 23-27, 1952.

American Standards Association, annual meeting, Waldorf-Astoria hotel, New York, November 19, 1952

American Water Works Association, annual conference, Kansas City, Mo., May 4-9, 1952.

Association of American Soap and Glycerine Producers, annual convention, Waldorf-Astoria hotel, New York, January 22-23, 1952.

Chemical Specialties Manufacturers Association; midyear meeting, Copley-Plaza hotel, Boston, Mass., June 8-10, 1952.

Commercial Chemical Development Association, annual open meeting, Statler hotel, New York, March 20, 1952.

Compressed Gas Association, annual meeting, Waldorf-Astoria hotel, New York, January 21-22, 1952.

Drug, Chemical and Allied Trades section of New York Board of Trade, midwinter luncheon meeting, Astor hotel, New York, January 17, 1952; annual dinner, Waldorf-Astoria hotel, New York, March 6, 1952; annual meeting, Pocono Manor Inn., Pocono Manor, Pa., September 25-28, 1952.

Federal Wholesale Druggists Association, annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., September 14-18, 1952.

Forest Products Research Society, annual meeting, Milwaukee, Wis., June 23-25, 1952.

Fragrance Foundation, quarterly luncheon meeting, Waldorf-Astoria hotel, New York, January 17, 1952.

International Organization for Standardization, triennial meeting, Columbia University, New York, June 9-21, 1952.

Manufacturing Chemists Association, interindustry conference on chemicals in foods, Statler hotel, New York, January 15, 1952; air pollution abatement conference, Statler hotel, New York, February 25-26, 1952; joint meeting with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 23-25, 1952.

National Agricultural Chemicals Association, spring meeting, Fairmont hotel, San Francisco, Calif., April 7-9, 1952.

National Association of Chain Drug Stores, annual convention, Hollywood Beach hotel, Hollywood, Fla., April 15-18, 1952.

National Foreign Trade Council, Waldorf-Astoria hotel, New York, November 11-19, 1952.

National Packaging Exposition, Atlantic City Auditorium, Atlantic City, N. J., April 1-4, 1952.

Northeastern Weed Control Conference, annual meeting, New Yorker hotel, New York, January 2-4, 1952.

Oil Trades Association of New York, quarterly meeting, Waldorf-Astoria hotel, New York, January 23, 1952.

Packaging Machinery Manufacturers Institute, semi-annual meeting, Dennis hotel, Atlantic City, N. J., March 30-31, 1952.

Proprietary Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., May 22-24, 1952.

Society of Plastics Engineers, national technical conference, Edgewater Beach hotel, Chicago, January 16-18, 1952.

Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, January 9, 1952; joint meeting with MCA, Greenbier hotel, White Sulphur Springs, W. Va., June 23-25, 1952.

Technical Association of the Pulp and Paper Industry, annual meeting, Commodore hotel, New York, February 18-21, 1952.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 12-14, 1952.

Standardization Conference In Chicago September 8-10

The third National Standardization Conference, sponsored by the American Standards Association, will be held in conjunction with the Centennial of Engineering in Chicago, September 8 to 10, 1952. The conference will take place at the Museum of Science and Industry. The three-day series of meetings will emphasize the role of standards in the many technological advances during the past century.

The thirty-fourth annual meeting of ASA will be held at the Waldorf-Astoria hotel, New York, November 19, 1952. The Howard Coonley medal and the standards medal will be presented at the award luncheon.

Oil Trades Meeting Jan. 23

Oil Trades Association of New York will hold a quarterly meeting January 23, 1952, at the Waldorf-Astoria hotel, New York. The reception will be at 6:30 p.m., with dinner following one hour later.

Oils, Fats Output, Use: October

Statistics on production and consumption of oils, and fats, including raw materials and primary products have been complied by the Bureau of Census, Department of Commerce, for the month of October. The data are as follows:—

Primary Products

	Pounds		
	Production	Consumption	Stocks Oct. 31
Animal foots from refining, 100% basis	2,036,000	2,987,000	3,414,000
Babassu oil, crude	[1]	3,998,000	7,561,000
refined	3,240,000	3,462,000	788,000
Castor oil, No. 1	3,111,000	4,770,000	[2]17,942,000
No. 3, crude	948,000	2,336,000	[2]5,793,000
Chinawood or tung oil	[3]	5,010,000	16,038,000
Coconut oil, crude	48,133,000	45,564,000	[2]61,932,000
refined	28,270,000	25,348,000	6,995,000
Cod and codliver oil	275,000	1,196,000	7,628,000
Corn oil, crude	18,693,000	18,721,000	7,900,000
refined	16,670,000	15,530,000	3,564,000
Cottonseed oil, crude	256,862,000	186,591,000	152,144,000
refined	173,826,000	125,071,000	154,868,000
Fish and marine mammal foots, 100% basis	[5]	200,000	2,220,000
Fish oil, refined	[5]	1,355,000	[2]52,000
Fish oil, not specified, except liver oil	1,037,000	930,000	4,249,000
Fishliver oil, not specified	503,000	715,000	2,653,000
Grease, other than wool	48,956,000	44,277,000	103,373,000
Lard, rendered[3]	212,000,000	[4]12,513,000	37,433,000
refined[3]	133,000,000	6,146,000	22,284,000
Linseed oil, raw	59,964,000	59,091,000	640,760,000
refined	22,202,000	23,728,000	36,155,000
Marine mammal oil, not specified	[7]	[7]	[8]
Menhaden oil	8,534,000	4,403,000	49,680,000
Neatsfoot oil	75,000	384,000	1,096,000
Oiticica oil	[1]	770,000	7,780,000
Olive oil, edible	24,000	153,000	19,592,000
inedible	.....	15,000	102,000
sulphur foots	.....	470,000	5,749,000
Palm oil, crude	.....	3,655,000	[2]17,377,000
refined	[1]	511,000	992,000
Palm kernel oil, crude	.....	[1]	[1] .....
refined	[1]	[1]	[1] .....
Peanut oil, crude	10,377,000	7,162,000	6,703,000
refined	6,640,000	7,913,000	8,283,000
Perilla oil	.....	[1]	[1] .....
Rapeseed oil, crude	.....	156,000	1,025,000
refined	.....	171,000	1,881,000
Sardine (pilchard) and herring oil	6,263,000	4,473,000	15,530,000
Sesame oil, crude	[1]	[1]	[1] .....
refined	[1]	87,000	292,000
Soybean oil, crude	214,799,000	154,398,000	120,785,000
refined	143,782,000	147,902,000	75,169,000
Sperm oil	.....	2,188,000	[2]29,249,000
Tallow, edible	5,308,000	3,399,000	3,573,000
refined	1,371,000	1,538,000	664,000
inedible	110,510,000	99,730,000	219,748,000
refined	24,738,000	20,167,000	10,533,000
Vegetable oil, not specified, crude	1,563,000	2,302,000	10,240,000
refined	1,767,000	1,867,000	3,316,000
Vegetable foots, 100% basis	23,039,000	14,382,000	37,872,000
Whale oil	.....	[7]	594,000
Wool grease	845,000	[6]	[2]546,000

Primary Products Except Oil

		Production	Shipments and transfers	Stocks Oct. 31
Cottonseed cake and meal	tons.	387,106	384,336	72,611
hulls	tons.	182,636	170,824	35,289
linters	running bales.	[9]265,628	225,241	[10]135,369
hull fiber	lbs.	1,834,000	1,814,000	838,000
motes and grabbots	lbs.	4,029,000	2,411,000	5,762,000
Soybean cake and meal	tons.	497,799	506,350	26,954
Lecithin	lbs.	1,705,793	1,457,014	2,195,370
edible soy flour, full fat	tons.	303	311	91
other	tons.	6,025	5,751	1,121
industrial soy flour	tons.	[6]	[6]	568
Other cake and meal—				
Castor beans	tons.	2,274	2,331	476
Copra	tons.	13,240	11,169	4,097
Corn germs	tons.	13,590	13,184	1,256
Flaxseed	tons.	54,539	62,980	17,010
Olive	tons.	[11]	[11]	[11]
Peanuts	tons.	8,308	8,419	1,685
Tung nut	tons.	[6]	[6]	[6]
Other	tons.	3,334	3,809	2,365

Secondary Products

	Pounds		
	Production	Consumption	Stocks Oct. 31
Animal fat and oil fatty acids	19,604,000	18,340,000	14,516,000
Castor oil, chemically dehydrated	989,000	1,466,000	5,842,000
Deodorized oil[12]	19,220,000	10,058,000	7,427,000
Fatty acid stock, including spent and salvaged oils and fats, palm oil, refuse, etc. (100% fatty acid base)	221,000	2,451,000	3,130,000
Fatty acids from fractionating or pressing—			
Oleic acid	6,432,000	4,103,000	[14]16,674,000
Stearic acid	5,121,000	5,216,000	[12]13,211,000
Other acids	[6]	[6]	6,432,000
Fish and marine mammal fatty acids	[6]	445,000	1,127,000
Glycerin, chemically pure (100% basis)[13]	11,747,000	7,874,000	26,534,000
crude (100% basis)[13]	17,293,000	18,977,000	12,810,000
high gravity and yellow distilled (100% basis)	5,529,000	6,718,000	14,735,000
Grease oil and lard oil	4,362,000	3,091,000	6,225,000
Hydrogenated oil and fats, edible—			
Cottonseed	51,521,000	47,920,000	16,51[illegible],000
Soybean	58,920,000	54,031,000	14,719,000
other	7,187,000	5,220,000	3,12[illegible],000
Inedible—			
Animal	1,021,000	1,530,000	2,5[illegible],000
Fish	[6]	1,871,000	5,007,000
Vegetable	.....	647,000	2,146,000
Oleomargarine	96,219,000	[6]	19,218,000
Oleo oil	2,857,000	365,000	1,136,000
Shortening	136,469,000	772,000	94,231,000
Solid fatty acids produced by splitting hydrogenated fats and oils or by hydrogenation of fatty acids	3,739,000	2,204,000	[15]5,916,000
Stearin, animal, edible	1,708,000	1,386,000	1,540,000
inedible	2,116,000	2,313,000	1,693,000
vegetable oil, winter	10,083,000	9,225,000	7,631,000
Tall oil, crude	32,079,000	19,805,000	53,205,000
refined, including distilled and fractionated tall oil	9,033,000	5,936,000	20,502,000
Tallow oil	912,000	758,000	2,395,000
Vegetable oil fatty acids from foots and other than from foots	14,368,000	13,680,000	27,971,000
Winterized oil	41,271,000	26,082,000	21,433,000

Raw Materials at Mills

	Tons		
	Receipts	Crushings	Stocks Oct. 31
Castor beans	3,638	4,275	888
Copra	37,779	37,297	21,643
Corn germs	25,146	25,591	1,258
Cottonseed	1,587,074	834,456	1,687,370
Flaxseed	145,962	84,623	173,645
Olives	[11]	110	[11]
Peanuts, shelled	6,851	8,307	2,457
unshelled	18,337	6,216	13,207
Soybeans	2,267,356	646,684	1,748,889
Tung nuts	[11]	[11]	[11]
Other	3,414	4,208	2,348

[1] Included in "other vegetable oils" to avoid disclosure of individual operations.

[2] Data for stocks of crude palm oil, crude coconut oil, castor oil No. 1 and No. 3, and sperm oil are on a commercial stocks basis and do not include figures for stockpiles of strategic oils.

[3] Data on production collected by the Department of Agriculture. Refined lard production data represent Federally Inspected Lard. Lard stocks include quantities held in refrigerated storage amounting to 29,596,000 pounds for October 31, 1951, as reported by the Department of Agriculture.

[4] Excludes quantities used in refining.

[5] Data not available.

[6] Held by wool scourers.

[7] Included in "Sperm Oil."

[8] Not shown to avoid disclosure of individual operations.

[9] Includes 63,470 bales first cut, 179,608 bales second cut, and 22,550 bales mill run. Average gross bale weights:—Total, 599.4; first cut, 579.2; second cut, 611.8; and mill run, 536.9 pounds.

[10] Includes 61,560 bales first cut, 59,980 bales second cut, and 13,829 bales mill run.

[11] Included in "other" to avoid disclosure of individual operations.

[12] Winterized-deodorized oil, hydrogenated-deodorized oil and cooking and salad oil not included.

[13] October data include 4,023,000 pounds held by producers.

[14] October data include 9,700,000 pounds held by producers.

[15] October data include 2,056,000 pounds held by producers.

[16] Includes data for synthetic glycerin.

Trigg Found. for Paint Development Set Up

The Ernest T. Trigg Foundation has been formed as a non-profit organization with offices at room 1100, 1528 Walnut street, Philadelphia 2, Pa., to foster the development and promote the general welfare of the paint, varnish and lacquer industry.

The foundation will accumulate funds for its purposes by means of gifts, subscriptions, contributions and through endowments made to it by companies, firms and individuals who are directly or indirectly connected with or interested in the industry or the projects of the foundation. As stated in its invitational brochure, the foundation will work toward its goal in the following seven ways:—

Ernest T. Trigg

"(1) By, but not limited to, making grants of money to qualified institutions, organizations and individuals to be used exclusively for scientific or educational research or improvements in processes in the paint, varnish, lacquer and kindred products industry. The results of such work are to be for the benefit of and available to all manufacturers in the industry.

To Establish Scholarships

"(2) By establishing scholarships in colleges and scientific institutions maintaining courses in paint, varnish and lacquer chemistry, and awarding such scholarships from time to time upon such terms as the board of trustees shall determine.

"(3) By inducing and assisting colleges and scientific institutions to establish such courses.

"(4) By promoting vocational training suitable to the paint, varnish, lacquer and kindred products industry in public, parochial and private schools.

"(5) To publish and disseminate literature, textbooks, histories and biographies of interest to the industry.

"(6) To engage in any other projects of a scientific or educational nature for the benefit of the entire industry as may be determined from time to time by the board of trustees of the foundation pro-

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DCAT to Hear Dr. Enloe At January 17 Meeting

The Drug, Chemical and Allied Trades Section of the New York Board of Trade will hear Dr. Cortex F. Enloe, recipient of the Air Force Legion of Merit, at its midwinter luncheon meeting, to be held January 17 at the Astor hotel, New York. Dr. Enloe will discuss "The Use of Medicine in Korea," based on information gained on a recent inspection tour of the fighting front headed by the Surgeon General of the U. S. Air Force. There will also be an associate speaker on the program, whose name will be announced later.

Fragrance Group to Meet

The Fragrance Foundation will hold a quarterly luncheon meeting for member-companies only January 17 at the Waldorf-Astoria hotel, New York. Included on the program will be a report on the fragrance business of Christmas, 1951, based on a survey of leading retailers throughout the country, a summary of the foundation's accomplishments during the past year, and an open forum in which all members will be asked to participate.

MCA Elects 2 to Board

Frederick J. Emmerich, president of Allied Chemical & Dye Corporation, New York, and Paul L. Davies, president of Food Machinery & Chemical Corporation, San Jose, Calif., have been elected to the board of directors of the Manufacturing Chemists' Association.

can these Baker AMMONIUM THIOCYANATE features make your product better?

Check for Yourself ✓

- ✓ It is an all-synthetic product.
- ✓ It is colorless, clear, white—sparkling crystalline structure.
- ✓ It is readily soluble.
- ✓ This all-synthetic chemical is stable* at ordinary temperatures.
- ✓ Containers are fiber moisture-resistant drums, polyethylene lined, with friction cover tops to safeguard against atmospheric moisture.
- ✓ You have uniform quality and scheduled availability, for Baker controls all raw materials.
- ✓ It is packaged in convenient 200, 100, 50 and 25 pound fiber drums, polyethylene lined.

*Picks up moisture. Should be kept in tightly closed containers.

The news spreads fast about the superiority of Baker Ammonium Thiocyanate, Technical Crystal.

Industry after industry investigated its seven features—made comparative tests—and decided that this *all-synthetic* Ammonium Thiocyanate (Sulfocyanate) had qualities that would, in turn, give *their* process or products superiority.

Whether you buy Ammonium Thiocyanate for textiles or textile printing, for adhesives, as an inhibiting agent, or for a hundred and one other uses, you owe it to yourself to check the Sulfocyanate you may be using with Baker (all-synthetic) Thiocyanate.

Check every one of the seven Baker features. See which ones may help your company—then ask for samples and prices.

The comparative tests will be your best guide to value.

Address: J. T. Baker Chemical Co., *Executive Offices and Plant,* Phillipsburg, N. J.

Baker CHEMICAL

Baker Chemicals

REAGENT • FINE • INDUSTRIAL

Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, December 21 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic).
Acenaphthene below 92.5 C., m.p., dms., works lb. .40 - —
over 92.5 C., m.p., dms., works lb. .50 - —
Acetaldehyde, 99%, dms., c.l., frt. equald lb. .12½- .13
l.c.l., frt. equald lb. .13½- .13¾
tanks, frt. equald lb. .10½- .11
Acetaldol (see Aldol).
Acetanilide, tech., bbls., c.l., dlvd. lb. .25½- .26½
l.c.l., ton lots lb. .26½- .27½
smaller lots lb. .29½- .30½
USP, bbls., 2,000-lb. lots lb. .56 - —
smaller lots lb. .58 - .62
Acetic anhydride, dms., c.l., frt. alld. E lb. .16 - —
l.c.l., frt. alld. E lb. .17½- —
tanks, frt. alld. E lb. .14½- —
Acetoacetanilide, bbls. dlvd lb. .79¾- —
fib. dms., c.l., dlvd lb. .73 - —
l.c.l., dlvd lb. .74 - —
Acetoacetorthochloranilide, bbls., dlvd. lb. 1.23 - —
fib. dms., c.l., dlvd lb. 1.22 - —
l.c.l., dlvd lb. 1.23 - —
Acetoacetorthotoluidide, bbls., dlvd. lb. .79 - —
fib. dms., c.l., dlvd lb. .78 - —
l.c.l., dlvd lb. .79 - —
Acetone, CP, dms., c.l., dlvd lb. .10¼- .11¾
l.c.l., dlvd lb. .11 - .12½
tanks, dlvd lb. .08½- .10
Methyl (see M)
Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb. .47 - —
Acetophenetidin, USP, bbls., works, frt. equald lb. 1.15 - 1.38
Acetophenone, cns., dms lb. 1.35 - 1.85
tech., dms., l.c.l., works lb. .75 - —
Acetyltributyl citrate, tech., dms., c.l. lb. .40½- —
l.c.l. lb. .41½- —
tanks lb. .39 - —
Acetyltriethyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. lb. .38½- —
tanks lb. .36 - —
Acid, abietic, com'l, dms., c.l., works lb. .12 - —
l.c.l., works lb. .1390- —
cryst., dms., c.l., works lb. .07½- —
l.c.l., works lb. .08 - .08½
Acetic, com'l or redist., 28%, bbls. 100 lbs. 5.50 - —
56%, bbls 100 lbs. 9.63 - —
70%, bbls 100 lbs.11.70 - —
80%, bbls 100 lbs.12.45 - —
glacial, synthetic, CP, dms., works 100 lbs.15.00 -16.00
cbys., inclusive, works 100 lbs.24.00 -26.00
tech., dms., c.l., works 100 lbs.10.50 - —
l.c.l., works 100 lbs.11.00 - —
tanks, works 100 lbs. 9.00 -11.50
USP, dms., works 100 lbs.13.50 -14.50
Acetic anhydride (see Acetic anhydride above).
Acetylsalicylic, USP special, bbls., makers, primary distrib., point of ship't, 1000-lb. lots lb. .60 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh), bbls, same basis, lb. .55 - —
Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.
Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls., frt. equald lb. 1.21 - —
Arsenous, tech. (see Arsenic, white).
USP (see Arsenic trioxide).
Ascorbic, USP, dms., 25-50 kilo lots kilo.24.50 - —
10-kilo lots kilo.24.85 - —
5-kilo lots kilo.25.25 - —
bots., kilo lots kilo.25.50 - —
500-gram lots kilo.26.00 - —
Battery, cbys., c.l., E., works, 100 lbs. 2.40 - —
l.c.l., E., works 100 lbs. 2.80 - 8.20
Benzoic, tech., bbls., dms., 100 lbs. or more lb. .40 - .45
USP, bbls., dms., 100 lbs. up lb. .50 - .54
Betahydroxynaphthoic (see betaoxynaphthoic acid).
Betaoxynaphthoic, bbls., works lb. 1.35 - 1.39
Boric, tech., 99½%, cryst., bgs., c.l., works ton.120.75 - —
ton lots, ex whse., N. Y. or Chi ton.166.50 - —
less ton lots, same basis, ton.171.50 - —
bbls., c.l., works ton.145.25 - —
ton lots, ex whse., N. Y. or Chi ton.191.00 - —
less ton lots, same basis, ton.195.00 - —
bulk, c.l., works ton.116.75 - —
gran., bgs., c.l., works ton.95.75 - —
ton lots, ex whse., N. Y. or Chi ton.141.50 - —
less ton lots, same basis, ton.146.50 - —
bbls., c.l., works ton.120.25 - —
ton lots, ex whse., N. Y. or Chi ton.166.00 - —
less ton lots, same basis, ton.171.00 - —
bulk, c.l., works ton.91.75 - —
powd., bgs., c.l., works ton.100.75 - —
ton lots, ex whse., N. Y. or Chi ton.146.50 - —
less ton lots, same basis, ton.151.50 - —
bbls., c.l., works ton.125.25 - —
ton lots, ex whse., N. Y. or Chi ton.171.00 - —
less ton lots, same basis, ton.176.00 - —
bulk, c.l., works ton.96.75 - —
USP $25 per ton higher.
Broenner's, bbls lb. 1.47 - —
Acid, butyric, 99%, dms., c.l., works, lb. .38 - —
l.c.l., works lb. .38½- —
tankcars, works lb. .36½- —
Cacodylic, bots lb.10.50 -13.00
Camphoric, natural, dms lb. 4.00 - 4.75
synth., dms lb. 4.00 - 4.75
Capric, 90%, dms., l.c.l. lb. .35½- —
Caprylic, 90%, dms., l.c.l. lb. .35½- —
Cassello, dms., frt. alld lb. 1.44 - —
Castor oil, split, dms lb. .33¼- .33¾
Chicago, bbls., frt alld lb. 3.21 - —
Chlorosulphonic, dms., c.l., frt. equald lb. .039 - —
l.c.l., frt. equald lb. .044 - .059
tanks, frt. equald lb. .034 - —
Chromic, 99½-99¾%, dms., c.l. works lb. .27 - —
l.c.l., works lb. .27½- .28½
NF (see Chromium trioxide)
Cinnamic, refd., bots lb. 2.50 - 3.50
Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't lb. .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —
Anhydrous citric acid powder ½c. per lb. higher.
USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb. .28 - —
smaller lots lb. .28½- —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 - —
smaller lots lb. .25½- —
kgs. lb. .26½- —
USP citric acid powder ½c. per lb. higher.
Cleve's, mixed, bls lb. .79 - —
Coconut oil, dist., dms lb. .18 - .18¾
double dist., dms lb. .20½- .21¾
Cottonseed oil, dist., dms lb. .1150- .1275
double dist., dms lb. .1200- .1325
Cresylic coaltar, dom., 50% above 207°C, non-ret. dms., c.l., frt. equald gal. 1.31 - 1.36
l.c.l., same basis gal. 1.34 - 1.49
ret. dms., c.l., same basis gal. 1.28 - —
l.c.l., same basis gal. 1.33 - —
tanks, same basis gal. 1.20 - 1.25
204° to 207° C, non-ret. dms., c.l., same basis gal. 1.36 - —
l.c.l., same basis gal. 1.39 - —
ret. dms., c.l. same basis, gal. 1.33 - —
l.c.l., same basis gal. 1.38 - —
tanks, same basis gal. 1.25 - —
imp., 75% at 215°C, or over, dms., c.l.f gal. 1.38 - 1.50
petroleum, dom., 195° to 213°C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .71 - —
l.c.l., same basis gal. .73 - .75
tanks, same basis gal. .58 - —
Acid, cresylic, petroleum, dom., 200° C to 222° C, tanks, Wilmington, Cal gal. .58 - .63
211° C to 236° C, non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —
220° C to 242° C, tanks, Wilmington, Cal gal. .50 - .53
245° C to 298° C, tanks, Wilmington, Cal gal. .46 - —
Crotonic, fib. dms., works lb. .31 - —
Cyanoacetic, tech., bbls lb. .90 - 1.25
Desoxycholic, bots lb.22.00 -25.00
Dichlorophenoxyacetic (see under "D" 2,4-D).
Diethylbarbituric (see Barbital).
Diglycolic, bgs., works lb. .14 - —
Ethylhexoic, dms., c.l., works lb. .34 - —
l.c.l., works lb. .34½- —
tanks, works lb. .32½- —
F, crude, paste, bbls., works lb. 1.67 - —
Folic, bots., fib. cns., kilo or more gram. 2.00 - —
Formic, 85%, cbys., c.l., works lb. .14 - .17
l.c.l., works lb. .14½- .22
90%, cbys., c.l., works lb. .14½- .17½
l.c.l., works lb. .15 - .23½
Fumaric, tech., bbls., dms lb. .37 - .38
Gallic, NF VII, bbls., 1,000-lb. lots, lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
technical, bbls., 1,000-lb. lots lb. 1.56 - —
smaller lots lb. 1.69 - 1.78
Gamma, dry ground, bbls., frt. alld lb. 1.50 - —
paste, bbls., frt. alld lb. 1.45 - —
Gentisic, 100-lb. fib. dms lb. 8.50 - —
Gluconic, tech., 50%, bots lb. .25 - .33
dms. lb. .16 - —
kgs. lb. .18 - —
Glutamic, laevo, 99%, fib. dms., 100-lb. lots, works lb. 2.53 - —
25-lb. lots, works lb. 2.68 - —
Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35
Glycolic (see Acid hydroxyacetic).
H, 100% basis, bbls., works lb. .82 - —
Hydriodic, 1.50 s.g., cbys lb. 2.67 - —
1.70 s.g., cbys lb. 2.96 - —
Hydrobromic, medicinal, 48%, cbys., dlvd. E lb. .37 - .43
Hydrochloric (see Acid, muriatic).
Hydrocyanic, cyls., works lb. 1.10 - —
dilute, NF, 2%, 5-lb. bots lb. .40 - —
Hydrofluoric, anhyd., cyls., works. lb. .24 - .25
tanks, works lb. .18 - —
70%, steel dms., works lb. .1535- .1955
Hydrofluosilicic, 30-35%, bbls., works lb. .07 - —
Acid hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. .034 - —
tanks, Belle, W. Va., 100% basis lb. .035 - —
Hypophosphorus, purif., 50%, cbys. lb. 1.30 - 1.32
USP, cbys lb. .88 - —
J, bbls., works, 100% basis lb. 2.50 - 2.85
Koch, bbls., frt. alld lb. .64 - .70
L, bbls. frt. alld lb. 1.25 - —
Lactic edible 50% bbls., 20 or more lb. .16 - .20
smaller lots lb. .16½- .21
80%, bbls., 5 bbls. or more lb. .29 - .3640
less than 5 bbls lb. .2950- .3690
plastic grade 50% bbls., 20 or more, works lb. .21¾- —
1 to 19 lb. .22¼- .22¾
80%, bbls, 5 or more lb. .3865- —
tech., 22%, bbls., c.l., works, 100 lbs. 6.30 - —
l.c.l., works 100 lbs. 6.70 - —
cbys., works 100 lbs. 7.20 -12.20
44%, bbls., c.l., works 100 lbs.10.95 -11.95
l.c.l., bbls., works 100 lbs.11.35 -12.35
cbys., works 100 lbs.11.85 -17.85
NF, 85%, cbys lb. .85 - .88
Laurent's, bbls lb. .80 - .87
Lauric, 90-95%, dms lb. .23¾- .24½
60%, dms lb. .18¾- .19½
Linseed oil, reg., dist., dms lb. .2370- .2420
water white, dms lb. .2570- .2720
Maleic, anhydride (see M).
powder, dms lb. .37 - .38
Malic, dms lb. .50 - —
Mandelic, NF, dms. 1,000-lb. lots, lb. 2.35 - —
smaller lots lb. 2.40 - 2.50
Metanilic dms, works lb. .57 - —
Methacrylic, dms., c.l., and truckloads, works lb. .76 - —
less than truckload, works lb. .76½- .80
Molybdic, dms., 85-92%, works lb. 1.40 - 1.55
lb. 1.40 - 1.55
Monochloroacetic, purified, flake, 99% dms lb. .23¾- .24¾
tech., flake, 96-97%, dms lb. .20½- .21¼
Muriatic, 18° cbys., c.l., works, 100 lbs. 2.45 - 2.80
l.c.l., works 100 lbs. 2.75 - 3.55
tanks, works ton.29.00 -31.00
20°, cbys., c.l., works 100 lbs. 2.70 - 3.05
l.c.l., works 100 lbs. 3.00 - 3.80
tanks, works ton.31.00 -33.00
22°, cbys., c.l., works 100 lbs. 3.30 - 3.40
l.c.l., works 100 lbs. 3.50 - 4.40
tanks, works ton.36.00 -38.00
CP, USP, consumers, cbys., extra c.l., works lb. .11¾- —
l.c.l., same basis lb. .13½- .13¾
5 pint bottles extra, cs., c.l., same basis lb. .16¾- —
l.c.l., same basis lb. .18¼- .24¼
Acid, muriatic, C.P., USP, prices to dealers 1½c. per lb. less.
Myristic, dms lb. .38¾- .39½
Naphthenic 220-230 acidity, dms., works lb. .14 - —
tanks, works lb. .12 - —
Naphthol(1)-4-sulphonic (see Acid, Neville and Winthers)
Naphthol(1)-5-sulphonic (see Acid, L).
Naphthol(1)-5-sulphonic,8-amino (see Acid, S).
Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H).
Naphthol(2)-6,8-disulphonic (see Acid, Gamma).
(5)-7-Sulphonic,2-amino (see Acid, J).
Naphtholsulphonic, mixed (see Acid, Cleve's, mixed).
Naphthylamine(1)-5-sulphonic (see Acid, Laurent's).
(2)-6-sulphonic (see Acid, Broenner's).
(2)-7-sulphonic (see Acid, F).
(2)-1-sulphonic (see Acid, Tobias).
Neville and Winther's, dms., frt. alld lb. 1.05 - —
Nicotinic, USP, dms., frt. adjusted kilo. 9.00 - 9.30
Nicotinicamide (see Nicotinamide).
Nitric 36° cbys., c.l., E. works 100 lbs. 5.00 - —
l.c.l., E. works 100 lbs. 5.30 -11.10
38° cbys. c.l., E. works 100 lbs. 5.50 - —
l.c.l., E. works 100 lbs. 5.80 -11.60
40° cbys. c.l., E. works 100 lbs. 6.00 - 6.50
l.c.l., E. works 100 lbs. 6.30 -12.10
42° cbys., c.l., E. works 100 lbs. 6.50 - 7.00
l.c.l., E. works 100 lbs. 6.80 -12.60
CP, NF, consumers, cbys., extra c.l., works lb. .13½- —
l.c.l., same basis lb. .15 - .15½
5 pint bottles extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .19¼- —
Octoic (see Acid, Ethylhexoic).
Oleic, single distilled, dms lb. .13¼- .14½
tanks lb. .11¾- —
double distilled (white) dms lb. .15¾- .17
tanks lb. .14¼- —
Oleum (see Acid sulphuric fuming)
Orthochlorobenzoic, fib. dms., works lb. 1.13 - —
Orthocresotinic, dms., ton lots, works lb. .66 - —
smaller lots, works lb. .68 - —
Oxalic, bbls., c.l., works lb. .159 - —
10,000 lbs., works lb. .1615- —
smaller lots, works lb. .1715- —
Palm oil, white, dist., dms lb. .16¼- .17
Para-aminobenzoic, tech., dms lb. 1.74 - 1.77
USP, dms., 100 lbs. or more, works lb. 4.50 - 5.10
smaller lots, works lb. 4.85 - 5.30
Para-aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.45 - —
smaller lots, same basis lb. 4.50 - 4.95
Parachlorobenzoic, fib. dms., works lb. 1.59 - 1.62
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic, dms lb. .77 - —
Paratoluidinmetasulphonic, bbls., works lb. .92 - 1.04
Phenylacetic, bots lb. 1.45 - 1.75
tech., dms., 1,000-lb. lots lb. .90 - —
Phenylcinchoninic (see Cinchophen).
Phenylglycollic (see Acid, mandelic).

Acacia—Acid, Phenylglycollic

Abbreviations

Used in OPD Market Quotations

ACS	American Chemical Society	dest-dist.	destructive-distilled	neut.	neutral
		dextro	dextrorotatory	NF.	National Formularly
alld.	allowed	dist.	distilled	nom.	nominal
ammo.	ammonia	distr.	distributor	No.	number
amorph.	amorphous	djns.	demijohns	ord.	ordinary
AMP.	American melting point	dlvd.	delivered	oz.	ounce
		dms.	drums	Pac.	Pacific
anhyd.	anhydrous	dom.	domestic	pf.	proof
a.p.a.	available phosphoric acid	E.	east	phos.	phosphate
		e.p.	end point	photo.	photographic
artif.	artificial	equald.	equalized	pkgs.	packages
ASTM.	American Society for Testing Materials	F.	fahrenheit	powd.	powdered
		ferment.	fermentation	precip.	precipitated
		ffa.	free fatty acid	prod.	producer
Be.	Baume	ffc.	free from chlorine	pt.	point
bgs.	bags			pulv.	pulverized
bbls.	barrels	fib.	fiber	purif.	purified
bls.	bales	f.o.b.	free on board	redist.	redistilled
bots.	bottles	FPA.	free of prussic acid	refd.	refined
b.p.	boiling point			refy.	refinery
b.p.l.	bone phosphate of lime	frt.	freight	reg.	regular
		fus.	fused	resub.	resublimed
b.r.	boiling range	gal.	gallon	ret.	returnable
bxs.	boxes	gran.	granular	SD.	specially denatured
C.	centigrade	grd.	ground		
cbys.	carboys	i.&a.	iron and aluminum	s.d	single distilled
CD.	completely denatured			S. E.	southeast
		i.b.p.	initial boiling point	secs.	seconds
c.i.f.	cost insurance, freight	imp.	imported	s.g.	specific gravity
		incl.	included	ship't.	shipment
cks.	casks	indust.	industrial	solut.	solution
c.l.	car lots	kgs.	kegs	s.u.	standard unit
cns.	cans	lacq.	lacquer	synth.	synthetic
col.	color	lb.	pound	tanks.	railroad tank-cars
com'l	commercial	l.c.l.	less than car lots		
conc.	concentrated	liq.	liquid	tech.	technical
CP.	chemically pure	m.a.p.	mixed anilin point	USP.	U. S. Pharmacopoeia
cps.	centipoises	M c.f.	thousand cubic feet		
cryst.	crystal			vis.	viscosity
cs.	cases	min.	minimum	VM&P	varnish makers & painters
ctns.	cartons	m.p.	melting point		
cyls.	cylinders	N.	nitrogen	W.	west
dbl.	double	nat.	natural	w.w.	water white
denat.	denatured			whse.	warehouse

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Phosphoric—Aldrin

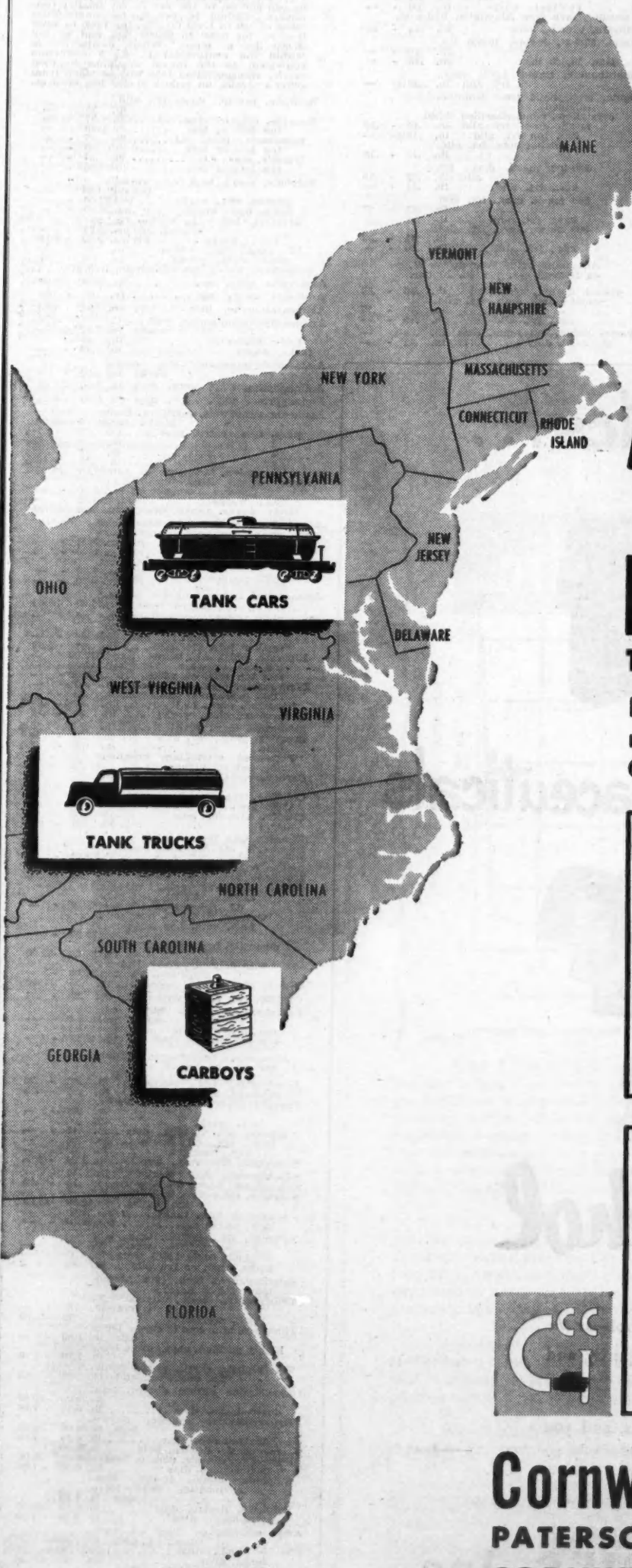
Acid, phosphoric, food grade, 75%, cbys., c.l. works	100 lbs.	7.00	- 7.10
l.c.l., works, frt. alld.	100 lbs.	7.50	- 8.00
tanks, works	100 lbs.	4.90	- 5.00
NF, 85%, cbys., c.l., works	lb.	.08	- .08¼
l.c.l., works	lb.	.08½	- .09¼
Picric, NF, 300-lb. bbls	lb.	.55	—
small dms	lb.	.61	- .67
tech., bbls	lb.	.32	- .33
Propionic, synthetic, pure, dms., c.l., works	lb.	.258	- —
l.c.l., works	lb.	.263	- —
tanks, works	lb.	.243	- —
Pyrogallic, NF,. (see Pyrogallol)			
tech., bbls	lb.	2.76	- 2.99
Pyroligneous, dms., incl., l.c.l. works	gal.	.36	- —
whse	gal.	.504	- —
Ricinoleic (see Acid, castor oil, split).			
S, bbls., works	lb.	3.25	- —
Salicylic, crude, bgs	lb.	.33	- .35
sublimed, tech., bbls., c.l.	lb.	.35	- .37
l.c.l.	lb.	.42	- .44
dyestuffs grade, bbls	lb.	.36	- .39
USP, cryst., bbls	lb.	.44	- .46
powder, bbls	lb.	.49	- .52
Sebacic, purified, dms., c.l., works	lb.	.90¾	- .91½
l.c.l., works	lb.	.92	- .92¾
Soybean oil, double dist., dms.	lb.	.14	- .15¼
single dist., dms	lb.	.13½	- .14¾
Stearic, double pressed, bgs	lb.	.11¾	- .13
single-pressed, bgs	lb.	.11¼	- .12½
triple-pressed, bgs	lb.	.14	- .15¼
Succinic, purified, cryst., bbls., works	lb.	.63	- .75
Sulphanilic, tech., dms., c.l., frt. alld	lb.	.18	- —
l.c.l., frt. alld	lb.	.20	- —
Sulphuric, 60° Be., cbys., c.l., works	100 lbs.	1.75	- —
l.c.l., works	100 lbs.	2.05	- 2.85
tanks, works	ton.	16.30	- —
66° Be, cbys., c.l., works	100 lbs.	2.10	- —
l.c.l., works	100 lbs.	2.30	- 8.10
tanks, works	ton.	20.00	- —
98%, tanks, works	ton.	21.00	- —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald.	lb.	.09¾	- —
l.c.l., same basis	lb.	.11¼	- .11¾
5 pt. bottles, extra, cs., c.l., works, frt. equald	lb.	.13¼	- —
l.c.l., same basis	lb.	.14¾	- .20¾
fuming, 20%, tanks, works	ton.	22.40	- —
Tallow, dist., dms	lb.	.09½	- .10¾
hydrogenated, dms.	lb.	.11½	- .12¾
Tannic, NF, USP XIII, fluffy, bbls., 1,000-lb. lots	lb.	1.59	- 1.60
smaller lots	lb.	1.65	- 1.76
powder, bbls., 1,000-lb. lots	lb.	1.50	- —
smaller lots	lb.	1.51	- 1.69
tech., dms	lb.	.95	- —
Tartaric, USP, dom., 230, 250-lb. dms., 10,000-lbs., 1 ship't.	lb.	.39½	- —
smaller lots	lb.	.40	- —
100-lb. dms	lb.	.41	- —
small dms	lb.	.43	- .45
imported, bgs.	lb.	.36	- .38
Thioglycolic, refined, bgs., cbys., basis 100%	lb.	1.60	- 1.86
Tobias, bbls., frt. alld	lb.	.74	- —
Toluenesulphonic, dms., c.l., works	lb.	.18½	- —
l.c.l., works	lb.	.20	- —
tanks, works	lb.	.17	- —
Trichloroacetic, bots.	lb.	2.00	- 2.50
Trichlorophenoxyacetic (see under T.2,4,5-T).			
Tungstic, tech., kgs., works	lb.	4.30	- —
Undecylenic, dms.	lb.	1.40	- —
Aconite leaves, bls	lb.	.35	- .40
Root, bls.	lb.	.45	- .50
Aconitine, amorph., mild, bots	oz.	27.50	-32.50
cryst., potent, bots	oz.	78.00	-85.00
Acrolein, dms., works	lb.	.50	- —
Acrylonitrile, dms., c.l., works	lb.	.44½	- —
l.c.l., works	lb.	.45	- .47
tanks, works	lb.	.43	- —
Adeps lanae (See Lanolin).			
Adonis vernalis herb, bls	lb.	.22	- .24
Agar, USP, Kobe No. 1 strip, bls.	lb.	1.25	- 1.50
powdered, 30 mesh, fib. dms	lb.	1.60	- 1.85
Agaric, white, bls	lb.	2.25	Nom.
Agrimony herb, bls	lb.	.25	- .30
Alanine dextro-laevo, dms., works.	lb.	8.50	-11.00
Albumen (egg) edible, flake, bbls.,	lb.	2.13	- 2.15
powd., bbls	lb.	2.17	- 2.19
tech., cryst., bbls	lb.	1.07	- 1.10
Albumin, blood, dark (see Blood, dried, soluble).			
light, dms., l.c.l.	lb.	.70	- .80
Egg (see Albumen).			
Alcohol, allyl, dms., c.l., dlvd	lb.	.31¾	- —
l.c.l., dlvd	lb.	.32½	- —
tanks, dlvd.	lb.	.30	- —
Amyl ex fusel oil (see Fusel oil, ref.)			
ex pentane, dms., c.l., frt. alld. E. Miss	lb.	.21	- —
l.c.l., frt. alld. E. of Miss	lb.	.22	- —
tanks, frt. alld. E. of Miss	lb.	.19	- —
fermentation, refined, 126-132° C, dms., c.l., dlvd	lb.	.33¾	- —
l.c.l., dlvd	lb.	.34¾	- —
tanks, dlvd	lb.	.32	- —
128-132° C., dms., l.c.l., dlvd.	lb.	.36½	- —
ACS grade, dms., l.c.l., dlvd	lb.	.38½	- —
Benzyl, NF, dms	lb.	.65	- .80
tech., dms., works, frt. equald.	lb.	.45	- .50
Butyl, fermentation, normal, dms., c.l., frt. alld	lb.	.29¾	- .30¾
l.c.l., frt. alld	lb.	.30¾	- .31¾
tanks, frt. alld	lb.	.28	- .29
synthetic, normal, dms., c.l., frt. alld	lb.	.20	- —
l.c.l., frt. alld	lb.	.21	- —
tanks, frt. alld	lb.	.18¼	- —
secondary, dms., c.l., frt. alld.	lb.	.12¾	- .14¾
l.c.l., dlvd., frt. alld	lb.	.13½	- .15½
tanks, dlvd., frt. alld	lb.	.11	- .13
tertiary, dms., c.l., frt. alld.	lb.	.13¾	- —
l.c.l., frt. alld	lb.	.14½	- —
tanks, frt. alld	lb.	.12	- —
Capryl, 85%, dms., c.l., works	lb.	.19	- —
l.c.l., works	lb.	.19½	- —
tanks, works	lb.	.17½	- —
95%, dms., c.l., works	lb.	.21¾	- .30
l.c.l., works	lb.	.22¼	- .32½
tanks, works	lb.	.20¼	- .30
Cetyl, NF, fib. ctns., 140-lbs. or more	lb.	.72	- .95
smaller lots	lb.	.72	- 1.00
extra, 500-lbs. or more	lb.	1.32	- —
smaller lots	lb.	1.37	- —
Cinnamic, bots	lb.	2.75	- 3.20
Decyl, bots	lb.	1.70	- 2.00
Denatured, CD12, CD13, CD14, dms., c.l., dlvd. E. of Rockies	gal.	1.01½	- 1.03½
l.c.l., dlvd., same basis	gal.	1.05½	- 1.12½
tanks, dlvd., same basis	gal.	.89½	- .91½
Tankcar sales require written authorization by Alcohol Tax Unit.			
Proprietary solvent, dms., c.l., dlvd. E. of Rockies	gal.	.69½	- 1.03½
l.c.l., same basis	gal.	.73½	- 1.12½
tanks, same basis	gal.	.57½	- .91½
Tankcar sales require written authorization by Alcohol Tax Unit.			
SD1, 190 pf., dms., c.l., dlvd. E. of Rockies	gal.	1.00½	- 1.03½
l.c.l., same basis	gal.	1.04½	- 1.12½
tanks, same basis	gal.	.57½	- .91½
SD2B, dms., c.l., E. of Rockies.	gal.	1.02	- 1.04
l.c.l., same basis	gal.	1.06	- 1.13
tanks, same basis	gal.	.56	- .92
SD3A, dms., c.l., E. of Rockies.	gal.	.99½	- 1.01½
l.c.l., same basis	gal.	1.03½	- 1.10½
tanks, same basis	gal.	.56	- .89½
SD23A, dms., c.l., E. of Rockies.	gal.	1.00	- 1.05
l.c.l., same basis	gal.	1.04	- 1.14
tanks, same basis	gal.	.86	- .91
Alcohol, denatured, SD23H, dms., c.l., E. of Rockies	gal.	1.01	- 1.03½
l.c.l., same basis	gal.	1.05	- 1.12½
tanks, same basis	gal.	.58	- .91½
SD27A, dms., c.l., E. of Rockies.	gal.	1.26	- 1.44
l.c.l., same basis	gal.	1.35	- 1.53
tanks, same basis	gal.	1.14	- 1.30
SD29, dms., c.l., E. of Rockies.	gal.	1.02	- 1.07
l.c.l., same basis	gal.	1.06	- 1.16
tanks, same basis	gal.	.90	- .93
SD30, dms., c.l., E. of Rockies.	gal.	.97	- 1.01
l.c.l., same basis	gal.	1.01	- 1.10
tanks, same basis	gal.	.85	- .89
SD35A, dms., c.l., E. of Rockies.	gal.	1.04	- 1.07
l.c.l., same basis	gal.	1.08	- 1.16
tanks, same basis	gal.	.61½	- .95
SD40, dms., c.l., E. of Rockies.	gal.	1.02	- 1.05
l.c.l., same basis	gal.	1.06	- 1.14
tanks, same basis	gal.	.58	- .93
Diacetone, acetone free, dms., c.l., dlvd.	lb.	.13¾	- —
l.c.l., dlvd	lb.	.14½	- —
tanks, dlvd	lb.	.12	- —
tech., dms., c.l., dlvd	lb.	.13¼	- —
l.c.l., dlvd	lb.	.14	- —
tanks, dlvd	lb.	.11½	- —
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies	gal.	20.96	-21.0025
l.c.l., same basis	gal.	21.00	-21.09½
tanks, same basis	gal.	20.84	-20.86½
tax free, dms., c.l., dlvd. E. of Rockies	gal.	1.01	- 1.05½
l.c.l., same basis	gal.	1.05	- 1.14½
tanks, same basis	gal.	.89	- .91½
absolute, 200 pf., tax paid, dms., c.l., E. of Rockies	gal.	22.06	-22.12½
l.c.l., same basis	gal.	22.12	-22.21½
tanks, same basis	gal.	21.96	-21.98½
Ethylbutyl, dms., c.l., works	lb.	.29¼	- .29½
l.c.l., works	lb.	.30	- —
tanks, works	lb.	.28	- —
Ethylhexyl, dms., c.l., dlvd	lb.	.29¼	- —
l.c.l., dlvd	lb.	.30¼	- —
tanks, dlvd	lb.	.27¾	- —
Furfuryl, tech., cns., works	lb.	.31	- —
dms., c.l., works	lb.	.22½	- —
l.c.l., works	lb.	.24	- —
tanks, works	lb.	.19	- —
Isoamyl (see Alcohol, amyl fermentation, refined).			
Isobutyl, dms., c.l., dlvd	lb.	.17½	- —
l.c.l., works	lb.	.18½	- —
tanks, dlvd.	lb.	.15½	- —
Iso-octyl, dms., c.l., works	lb.	.29¼	- —
l.c.l., works	lb.	.29¾	- —
tanks, works	lb.	.26¼	- —
Isopropyl, refd., 91%, dms., incl., c.l., dlvd.	gal.	.5225	- .5400
l.c.l., dlvd	gal.	.5640	- .5900
tanks, dlvd	gal.	.3850	- .4200
95%, dms. incl., c.l., dlvd.	gal.	.55½	- —
l.c.l., dlvd	gal.	.60½	- —
tanks, dlvd	gal.	.43½	- —
99%, dms. incl., c.l., dlvd	gal.	.56¾	- .59
l.c.l., dlvd	gal.	.61	- .64
tanks, dlvd	gal.	.43	- .47
Lauryl, bots	lb.	2.00	- 2.50
Methyl (see Methanol).			
Methylamyl (see Carbinol, methyl-isobutyl).			
Nonyl (see Trimethylhexanol).			
Octyl, perfumer's grade, bots	lb.	1.70	- 3.25
technical (see Octanol normal).			
Pantothenyl (see Panthenol).			
Phenylethyl, dms	lb.	1.57	- 2.15
Polyvinyl, various grades, bgs., ton lots, works	lb.	.76	- .81
smaller lots, works	lb.	.81	- .86
Propyl, normal, dms., c.l., dlvd.	lb.	.13	- —
l.c.l., dlvd	lb.	.14	- —
tanks, dlvd	lb.	.11	- —
Salicyl (see Saligenin).			
Tetrahydrofurfuryl, cns., Waverly, N. Y.	lb.	.49½	- —
dms., Niagara Falls, N. Y.	lb.	.42½	- —
l.c.l., Waverly, N. Y.	lb.	.45	- —
tanks, Niagara Falls, N. Y.	lb.	.40	- —
industrial grade, dms. c.l., Niagara Falls, N. Y.	lb.	.29	- —
l.c.l., Waverly, N. Y.	lb.	.30	- —
tanks, Niagara Falls, N. Y.	lb.	.27	- —
Aldol, 95%, dms., works	lb.	.20	- .21
denaturing grade, dms	gal.	1.38	- 1.46
Aldrin, 60% solut., dms., c.l., works, frt. alld	lb.	1.10	- —
l.c.l., works, frt. alld	lb.	1.30	- —

...and may your troubles all be small ones during the year to come!

CONCORD CHEMICAL COMPANY

MOORESTOWN, NEW JERSEY—Moorestown 9-1100

CRESYLIC ACID • JAPAN AND CARNAUBA WAX REPLACEMENTS
CANDELILLA WAX • REFINED TALL OIL



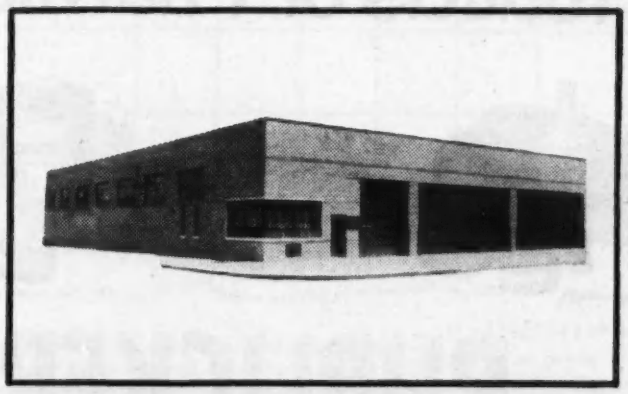
Muriatic Acid

20° Bé
22° Bé

prompt deliveries

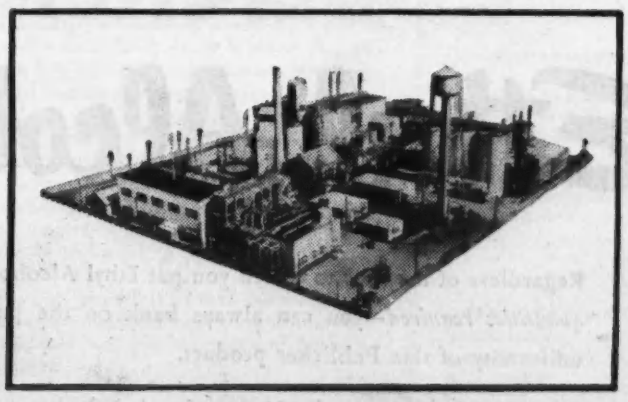
TO ALL POINTS ON THE EASTERN SEABOARD

For Muriatic Acid—plus your many other needs in high-quality basic chemicals—rely on Cornwell as your continuing source of supply.



PATERSON

Warehouse and Sales Offices in Paterson, New Jersey



CORNWELLS HEIGHTS

Plant and laboratories of Cornwell Chemical on the Delaware River, Philadelphia (Cornwells Heights)

Cornwell Chemicals, Inc.

PATERSON, N. J. LAMBERT 5-2494

CORNWELLS HEIGHTS, PA. CORNWELLS 0700

Aletris Root—Amyl Alcohol

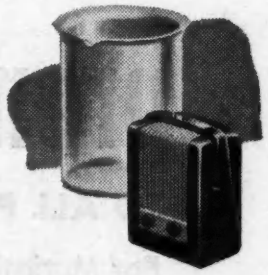
Aletris root, bgs ..... lb. 1.35 - 1.40
Alizarin (see Red alizarin).
Alkanet, root, bgs ..... lb. .28 - .50
Allethrin, 100%, dms., works ... lb. 42.50 - —
90%, dms., works ..... lb. 38.25 - —
solution, 20%, dms., 100-lb. lots, works lb. 8.55 - 9.55
2½%, dms., works ..... gal. 7.55 - —
Allspice (see Pimento).
Allyl, bromide, cbys., works ..... lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd ..... lb. .16¾ - —
l.c.l., dlvd. ..... lb. .17½ - —
tanks, dlvd. ..... lb. .15 - —
Starch, solid, dms., works ..... lb. .51 - —
solution, 40%, dms., works lb. .25½ - —
Aloe, Cape, cs ..... lb. .40 - .45
powdered, cs. ..... lb. .50 - .55
Curacao, kegs ..... lb. .60 - .65
Socotrine, kegs ..... lb. .25 - .35
Aloin, USP bbls., dms., kgs ..... lb. 3.50 - 4.65
Alphanaphthol, bbls., frt. alld ... lb. .85 - —
Alphanaphthylamine, bbls., frt. alld. lb. .45 - —
Alphanaphythylthiourea, 93-98%, fib. dms., works, frt. alld lb. 2.00 - 2.40
Alphanitronaphthalene, bbls., frt. alld lb. .41 - —
Alphapicoline, ret. dms., c.l., works, frt. equald lb. .39½ - —
l.c.l., works, frt. equald .... lb. .40 - —
Alphapinene, tanks, South, works gal. No prices.
Alphaterpineol dms., l.c.l. dlvd. E. lb. .17 - —
Alphatocopherol, bots. ..... kilo. 350.00 - —
Acetate, bots. ..... kilo. 350.00 - —
Althea root, NF, peeled, bls ..... lb. .20 - .33

Alum ammonium, gran., dms., works ..100 lbs. 4.30 - 4.70
lump, dms., works ....100 lbs. 4.55 - 4.95
powd., dms., works ....100 lbs. 4.70 - 5.10
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms ..... lb. .07¾ - .08
Potassium, gran., dms., works. 100 lbs. 4.55 - 4.95
lump, dms., works ....100 lbs. 4.80 - 5.20
powd., dms., works ....100 lbs. 4.95 - 5.35
USP, burnt, dms ..... lb. .20 - .21
hydrous, dms ..... lb. .07¾ - .08
Potash-chrome, dms ..... lb. .17 - —
Sodium, dms., c.l., works ..100 lbs. 4.60 - —
l.c.l., works ..... 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .03¼ - .05½
crystalline (see Aluminum oxide).
Aluminum acetate, basic solut., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, com'l, anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt. equald. lb. .15½ - —
cryst., dms., c.l., works .... lb. .1030 - —
l.c.l., works ..... lb. .1070 - —
solution, 32°, cbys., c.l., works. lb. .0369 - —
l.c.l., works ..... lb. .0435 - .0960
tankcars, works ..100 lbs. 2.80 - —
NF, gran., dms., works ..... lb. .29 - .31
Fluoride, tech., annyd., bbls., c.l., works .. lb. .11½ - —
l.c.l., works ..... lb. .14½ - —
Formate, basic solution, cbys. lb. .09½ - —
l.c.l., works ..... lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald ..ton. 60.00 - —
l.c.l., works ..... ton. 65.00 - 85.00
light, bgs., dlvd ..... lb. .17 - —

Aluminum hydroxide, gel., pharmaceutical, 14-15%, Al_2O_3, fib. dms., works .. lb. .24 - —
contract, works ..... lb. .22 - —
9-9½%, Al_2O_3, fib. dms., works .. lb. .20 - —
contract, works ..... lb. .19 - —
dried, USP, XIV, fib. dms., works .. lb. .83 - —
contract, works ..... lb. .80 - —
powder, tech (see Aluminum hydrate).
Laurate, precip., bbls ..... lb. .44 - —
Metal, 99%+, ingots, 10,000 lbs. lb. .19 - —
pigs, 10,000 lbs. ..... lb. .18 - —
Naphthenate, liquid, 1.7%, dms., frt. alld .. lb. .28½ - —
Oxide, amorphous (see Alumina, calcined).
crystalline, flour, classified, 8-240 mesh, dms. frt. alld .. lb. .14 - .15
kgs. ton frt. alld .... lb. .12½ - —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld .. lb. .32 - .33
kgs., frt. alld ..... lb. .31 - —
500 mesh, dms., frt. alld. lb. .35 - .37
kgs., frt. alld ..... lb. .34 - —
600 mesh, dms., frt. alld. lb. .51 - .53
kgs., frt. alld ..... lb. .50 - —
Aluminum oxide flour prices W. of Denver ¾c. per lb. higher.
optical, floated, kgs., dlvd .... lb. .36 - .86
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld ..... lb. .15 - —
Paste, lining, extra-fine, dms .. lb. .59½ - —
standard, dms ..... lb. .41 - —

Aluminum powder, lining, extra fine, dms .. lb. .97½ - —
standard, dms ..... lb. .68½ - —
rubber comp., dms ..... lb. .58½ - —
unpolished standard, dms .... lb. .54½ - —
varnish standard, dms ..... lb. .59 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.
Resinate, precip., dms., frt. alld. lb. .26½ - —
Stearate, dibasic, etns., c.l. .... lb. .37 - —
ton lots or less ..... lb. .38 - —
monobasic, etns., c.l. ..... lb. .37 - —
ton lots or less ..... lb. .38 - —
tribasic, etns., c.l. ..... lb. .37 - —
ton lots or less ..... lb. .38 - —
Sulphate, com'l, bulk, c.l., works. 100 lbs. 1.65 - —
ground, bgs., works ..... ton. 33.00 - —
lump, bgs., works ..... ton. 36.00 - —
iron-free, bgs., c.l., works, frt. equald .. 100 lbs. 3.25 - —
l.c.l., works ..... 100 lbs. 3.65 - 6.15
NF, gran., dms., works ..... lb. .29 - .30
powd., dms., works ..... lb. .36 - .37
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, bots ..... oz. 8.00 - 10.00
Ambrette seed, bgs ..... lb. .65 - .66
Aminoazotoluene, bbls ..... lb. .94 - 1.03
Aminoethylethanolamine, dms., c.l., works .. lb. .47 - —
l.c.l., works ..... lb. .47½ - —
tanks, works ..... lb. .45 - —
Aminomethylpropanol, cns., dms., works .. lb. .60 - —
Aminophyllin, USP, 100-lb. dms .. lb. 5.60 - 5.85
Aminopyrine, USP, bots., dms .. lb. 6.00 - 6.15
Ammonia anhydrous, fertilizer, tanks, works .. ton. 79.00 - 80.00
pure, cyls., extra, zone 1 .... lb. .17 - .17½
2 ..... lb. .19 - .19½
3 ..... lb. .21 - .21½
4 ..... lb. .16 - .19½
refrigeration, tanks, works .. ton. 80.00 - 82.50
Aqua (29.4% NH_3), dms., c.l., works 100 lbs. 3.10 - —
l.c.l., works ..... 100 lbs. 3.50 - —
tanks, works, anhyd. basis .. ton. 80.00 - 86.00
Ammoniac gum (see Gum ammoniac).
Sal, gray, bgs., c.l., works, frt. equald .. 100 lbs. 8.25 - —
l.c.l., same basis .... 100 lbs. 8.65 - 11.15
white, gran., bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works ..... 100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works, anhyd. basis .. ton. 75.00 - 80.00
Ammonium acetate, purified, dms lb. .45 - —
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld .. lb. .80 - —
smaller lots, frt. alld .... lb. .81 - 1.08
Biborate, bbls., c.l., works .... ton. 312.00 - —
ton lots, ex whse ..... ton. 375.00 - —
less ton lots, ex whse ... ton. 380.00 - —
Bicarbonate, dms., c.l., works .. lb. .05½ - —
l.c.l., works ..... lb. .06 - —
imported, dms., l.c.l ..... lb. .07¼ - .08½
Bichromate, bbls., works ..... lb. .33 - .38
Bifluoride, dms., dlvd ..... lb. .18¾ - .19¾
Bromide, gran., NF, bbls ..... lb. .38 - .39
dms. ..... lb. .39 - .42
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, powd., dms lb. .23 - .24
Chloride, tech. (see Ammoniac sal)
USP, gran., bbls., dms ..... lb. .22 - —
Citrate, dibasic, bbls ..... lb. .75 - —
dms. ..... lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide see Ammonia aqua).
Hypophosphite, NF, dms ..... lb. 2.40 - —
Iodide, NF, jars ..... lb. 4.01 - 4.11
Linoleate, 80%, dms., works .. lb. .50 - .55
Nitrate, fertilizer grade, Canadian eastern, 33.5% N, bgs., c.l., shipping point .. ton. 69.50 - —
western, 33.5% N, bgs., del., f.o.b. cars, Los Angeles ton. 81.02 - —
domestic, bgs., western, works ton. 61.00 - 63.00
with dolomite, 20.5% N, bgs., Hopewell, Va .. ton. 51.00 - —
Oleate, 75%, dms., works ..... lb. .55 - .60
Oxalate, fine gran., dms ..... lb. .25 - .31
Pentaborate, gran., bbls., c.l., works .. ton. 222.00 - —
ton lots, ex whse ..... ton. 285.50 - —
less ton lots, ex whse ..... ton. 290.00 - —
Ammonium pentaborate powder, $10 per ton higher.
Perchlorate, kgs., works ..... lb. .50 - .75
Persulphate, kgs ..... lb. .30 - .35
Phosphate, com'l, bgs., c.l., works. lb. .08¼ - —
l.c.l., works ..... lb. .08¾ - —
dibasic, NF, V, bbls., dms .... lb. .45 - —
tech., bgs., c.l., works ..... lb. .08 - —
l.c.l., works ..... lb. .08½ - —
Salicylate, NF, dms., kgs ..... lb. 1.34 - 1.35
Silicofluoride, dms., works .... lb. .14 - —
Sulphamate, bbls., dms., works. lb. .18 - .20
Sulphate, coke-oven, bulk, producing ovens .. ton. 40.00 - 45.00
synthetic, bgs., tanks ..... ton. 51.00 - —
bulk, works ..... ton. 48.00 - —
Sulphide, liq., 40-45%, dms., c.l., basis 100%, works lb. .10½ - —
l.c.l., basis 100% works. lb. .15½ - —
tanks, dlvd. or frt. alld .... lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works .. lb. .18 - —
l.c.l., works ..... lb. .19 - .30
Thioglycollate, com'l, cbys., 100% basis .. lb. 1.60 - —
highly purified, cbys., same basis lb. 1.70 - 1.96
Thiosulphate cryst., photo grade, fib. dms., frt. alld .. lb. .50 - .55
Amphetamine citrate dextro, bots. lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Hydrochloride, dibasic, dextro, bots .. lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
monobasic, dextro, bots ..... lb. 34.00 - —
Phosphate, dibasic, dextro, bots. lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Sulphide, liquid, 40-45%, dms., monobasic, dextro-laevo, dms .. lb. 6.25 - —
Sulphate, dextro, dms ..... lb. 36.00 - 40.00
dextro-laevo, dms ..... lb. 6.50 - 7.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd .. lb. .29¾ - .31¾
l.c.l., dlvd ..... lb. .30¾ - .32¾
tanks, dlvd ..... lb. .28 - .30
High test amyl acetate, ex fusel oil, 1½c. per pound higher.
ex pentane, dms., c.l., frt. alld. E. of Miss. R .. lb. .21½ - —
l.c.l., same basis ..... lb. .22½ - —
tanks, same basis ..... lb. .19½ - —
Alcohol (see Alcohol, amyl).

For Perfumes or Plastics...



Food Products or Pharmaceuticals

PUBLICKER

Ethyl Alcohol

Regardless of the uses to which you put Ethyl Alcohol—*or the quantities required*—you can always bank on the purity and uniformity of this Publicker product.

Furnished in 188 proof, 190 proof and Anhydrous, and you can be assured of prompt attention to your order!

PUBLICKER INDUSTRIES Inc.

1429 WALNUT STREET, PHILADELPHIA, PA.

Amyl butyrate, dms	lb.	.95	- 1.30
Cinnamic aldehyde, dms	lb.	1.95	- 2.65
Nitrite, USP, bots	lb.	1.75	- 1.83
Salicylate, cns., dms	lb.	.80	- .85
Anethol, NF, cns., dms	lb.	1.35	- 1.60
Angelica root, dom., bls	lb.	.60	- .70
imported, bls.	lb.	.50	- .80
Angostura bark, bls	lb.	.43	- .48
Anilin oil, dms., c.l., works, frt. alld.	lb.	.18½	- .20½
l.c.l., works, frt. alld	lb.	.19½	- .21½
tanks, works, frt. alld	lb.	.17½	- .19
Salt, dms., frt. alld	lb.	.30	- —
Anise, Chinese, star, bgs	lb.	No prices.	
Czech, bgs	lb.	.14½	- .15
Mexican, bgs	lb.	.15½	- .16
Spanish, bgs.	lb.	.15½	- .16
Turkish, bgs.	lb.	.15½	- .16
Anisic aldehyde, bots., dms	lb.	2.50	- 2.35
Annatto powder, dms	lb.	.24	- .25
Seed, bgs.	lb.	.22	Nom.
Anthracene, 80-85%, bbls., works	lb.	1.10	- —
90%, bbls., works	lb.	1.25	- —
Anthraquinone, 99.5%, bbls., frt. alld	lb.	.85	- .88
Antimony butter (see Antimony trichloride).			
Metal, bulk, c.l., mines	lb.	.50	- —
cases, c.l., mines	lb.	.50½	- —
Oxide, bgs., c.l., frt. alld	lb.	.44½	- —
l.c.l., frt. alld	lb.	.45½	- —
Sulphide, 62-64%, bgs., frt. alld., dlvd.	lb.	.42	- .42½
Trichloride, pails, c.l., works	lb.	.35¾	- .50
l.c.l., works	lb.	.37¾	- .52
solution, cbys.	lb.	.29	- .30
Antimony-potassium tartrate (see Tartar emetic).			
Antipyrene, NF, dms	lb.	2.50	- 2.60
Apomorphine hydrochloride, USP, bots.	oz.	23.40	-23.90
Areca nuts, powd., bbls	lb.	.13	- .16
Arecoline hydrobromide, NF, bots.	oz.	5.00	- 5.75
Arginine hydrochloride, laevo, dms.	kilo.	90.00	-100.00
Argols, min. 50%, bgs., shipment ports, per 100 kilos (100% basis).		40.00	- —
Arnica (true montana) flowers, b's.	lb.	.65	- .66
root, bls	lb.	1.45	- —
Arrowroot, powd., bgs	lb.	.11	- .14
Arsenic metal lump bbls., prompt ship't	lb.	.80	- .90
Trioxide, USP, dms	lb.	.40	- —
White, powd., bbls., c.l., dlvd	lb.	.06½	- —
l.c.l., dlvd	lb.	.07½	- .08½
Asafetida, cs	lb.	.32	- .35
powd., bbls., dms	lb.	.50	- .53
Asbestine (see Talc, fibrous, N. Y.)			
Asbestos, Canadian, crude, No. 1, c.l., (20 tons), mines	ton.	1,137.00	
No. 2, c.l., (20 tons), mines	ton.	587.00	- —
Run-of-mine, c.l., (20 tons), mines	ton.	484.00	- —
fiber, 3K, c.l. (20 tons), mines	ton.	379.00	- —
3R, c.l. (20 tons), mines	ton.	323.00	- —
3T, c.l. (20 tons), mines	ton.	302.00	- —
3Z, c.l. (20 tons), mines	ton.	279.50	- —
4K, c.l. (20 tons), mines	ton.	150.50	- —
4M, c.l. (20 tons), mines	ton.	150.00	- —
4T, c.l. (20 tons), mines	ton.	135.00	- —
4Z, c.l. (20 tons), mines	ton.	135.00	- —
5D, c.l. (20 tons), mines	ton.	106.50	- —
5K, c.l. (20 tons), mines	ton.	105.50	- —
5M, c.l. (20 tons), mines	ton.	101.50	- —
5R, c.l. (20 tons), mines	ton.	91.60	- —
6D, c.l. (30 tons), mines	ton.	71.40	- —
7D, c.l. (30 tons), mines	ton.	63.00	- —
7F, c.l. (30 tons), mines	ton.	59.50	- —
7H, c.l. (30 tons), mines	ton.	50.50	- —
7K, c.l. (30 tons), mines	ton.	42.50	- —
7M, c.l. (30 tons), mines	ton.	37.00	- —
7R, c.l. (30 tons), mines	ton.	36.00	- —
7T, c.l. (30 tons), mines	ton.	34.00	- —
7RF, c.l. (30 tons), mines	ton.	37.00	- —
7TF, c.l. (30 tons), mines	ton.	37.00	- —
8S, c.l. (30 tons), mines	ton.	24.50	- —

Prices quoted above are in U. S. funds. Add $4 per ton for l.c.l. lots.

Asphalt, gilsonite, black, seconds, 300°-390° F. fusing point not uniform, bgs., c.l., Colo. ship. pt	ton.	34.00	- —
select, 350° F. fusing point, bgs., c.l., same basis	ton.	38.00	- —
270°-295° F. fusing point, bgs., c.l., same basis	ton.	37.00	- —
jet, bgs., c.l., same basis	ton.	34.00	- —
Manjak, No. 10, crude, dms., works	lb.	.05½	- —
Petroleum, cut-back, tanks, tank-wagon, refinery	gal.	.09	- —
emulsion, tanks, tank-wagon, refinery	gal.	.09½	- .10
steam-refd., less than 80 penetration, tanks, tank-wagon, refinery	ton.	22.00	- —
80-300 penetration, tanks, tank-wagon, refinery	ton.	21.00	- —
Aspirin (see Acid, Acetylsalicyclic.)			
Atropine, USP, bots	oz.	9.75	-13.75
Sulphate, USP, bots	oz.	5.75	- 6.50

B

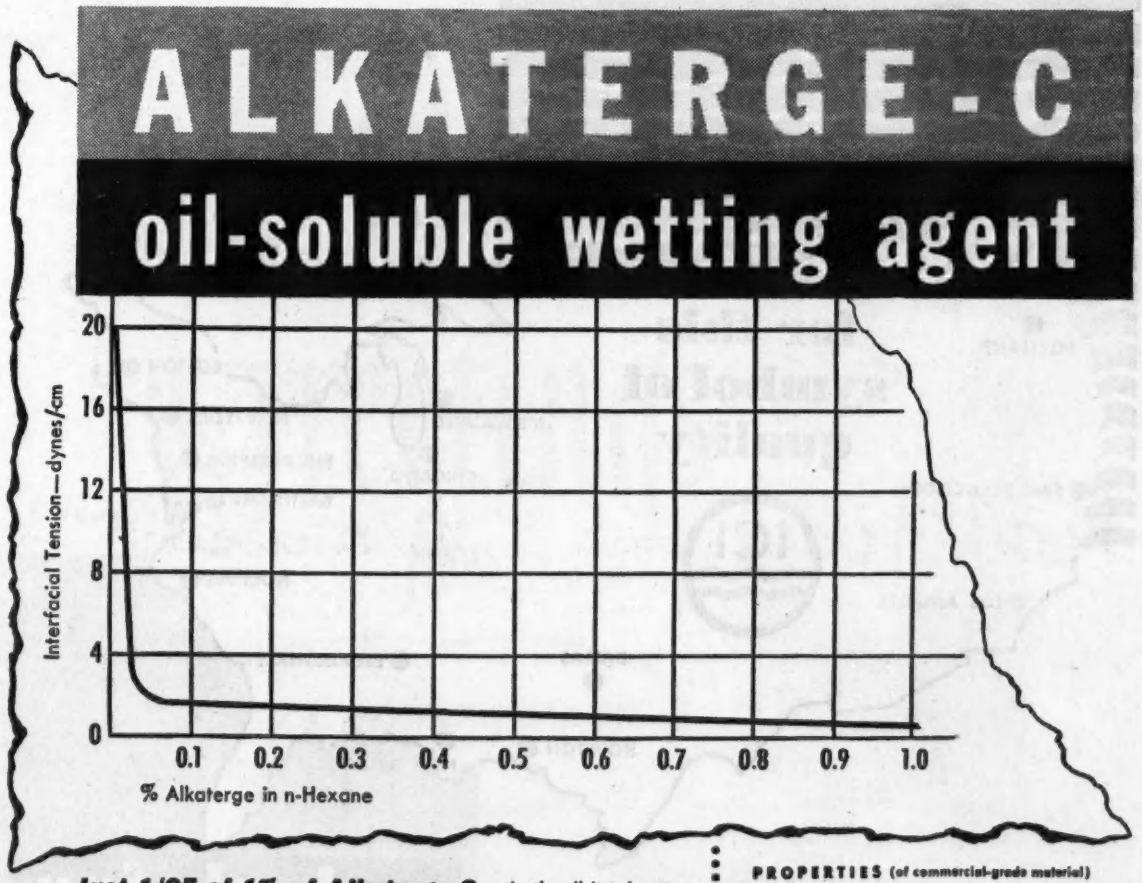
Bacitracin, wholesalers, unlabeled, topical, 2,000 units	vial.	.42	- —
10,000 units	vial.	.80	- —
50,000 units	vial.	2.88	- —
Balm of Gilead buds, dried, bgs	lb.	1.35	- 1.45
Barberry, root, bark, bgs	lb.	.35	- .45
Barberry, root, bark, bags	lb.	.35	- .40
tree bark, bgs	lb.	.40	- .45
Barbital, USP, 100-lb. dms	lb.	5.00	- —
Sodium, USP, dms	lb.	5.25	- 5.27
Barium carbonate, precip., bgs., 10 tons and up, works	ton.	82.50	-87.50
smaller lots, works	ton.	92.50	-97.50
Chlorate, kgs., works	lb.	.30	- .35
Chloride, NF, cryst., dms	lb.	.19	- .21
anhy., bgs., c.l., works	100 lbs.	7.80	- —
l.c.l., works	100 lbs.	8.50	-10.80
Chromate, bgs., frt. equald	lb.	.31½	- .32
Dioxide, dms., works	lb.	.15	- —
Hydrate, crystals, bgs	lb.	.09	- .09½
Hydroxide, anhyd., bbls., works	lb.	.19	- —
Iodide, bots.	lb.	6.14	- —
Monoxide (see Oxide).			
Nitrate, bbls., c.l., works	lb.	.12½	- —
l.c.l., works	lb.	.14	- —
Oxide, grd., dms., c.l., works	lb.	.12	- —
l.c.l., works	lb.	.12½	- —
Peroxide (see Dioxide).			
Stearate, ctns., c.l.	lb.	.41	- —
ton lots	lb.	.42	- —
less ton lots	lb.	.43	- —
Sulphate, tech. (see Barytes and Blanc fixe).			
X-ray, bbls.	lb.	.14	- —
Sulphide, dms., c.l., works	ton.	55.00	- —
l.c.l., works	ton.	70.00	- —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines	ton.	9.40	-12.50
Barytes, Southern off-color, bgs., mines	ton.	20.00	- —
95.75%, bgs., mines	ton.	20.00	- —
water-grd., paper bgs., c.l., St. Louis	ton.	37.60	-37.85
ex-whse., N. Y.	ton.	53.45	-61.75
Bauxite, bulk, mines	ton.	9.50	-10.00
Bay leaves (see Laurel leaves).			
Belladonna leaf, bls	lb.	.45	- .50
root, bls.	lb.	.45	- .50
Bentonite, 200 mesh bgs., works	ton.	12.50	- —
Italian, white, high gel, bgs., l.c.l., works	ton.	71.40	- —
5 ton lots	ton.	68.90	- —
ex dock, 10 ton lots	ton.	57.00	- —
low gel, bgs., l.c.l., works	ton.	69.70	- —
5-ton	ton.	67.20	- —
ex dock, 10 ton lots, ton.	ton.	55.00	- —
Benzaldehyde, NF, dms	lb.	.73	- .78
tech, cbys., dms	lb.	.50	- .55
Benzal chloride, cbys., works	lb.	.22	- .23½
Benzene (see Benzol).			
Hexachloride, 99% gamma isomer (see Lindane).			
tech., bgs., dms., c.l., works, gamma unit	lb.	.02	Nom.
l.c.l., works, unit	lb.	.0210	- .0225
gamma, 50% dust, dry, distributors, dms., c.l., dlvd., gamma unit	lb.	.02½	Nom.
l.c.l., works unit	lb.	.0285	- —
wet, distributors, dms., c.l., dlvd., gamma unit	lb.	.0325	- —
l.c.l., dlvd., gamma unit	lb.	.0335	- —
Benzidine, base, bbls	lb.	1.02	- —
Hydrochloride, bbls., frt. alld	lb.	.94	- —
Benzocaine, dms	lb.	3.50	- 3.77
Benzol, pure, nitration, tanks, works, Bethlehem, Pa	gal.	.37	- —
Birmingham district	gal.	.30	- .35
Chicago district	gal.	.30	- .35
Cleveland district	gal.	.30	- .35
Geneva, Utah	gal.	.30	- —
Johnstown, Pa	gal.	.35	- —
Lackawanna, N. Y.	gal.	.37	- —
Lone Star, Texas	gal.	.37	- —
Lorain, Ohio	gal.	.30	- —
Minaqua, Colo	gal.	.35	- —
Philadelphia, Pa	gal.	.37	- —
Pittsburgh district	gal.	.30	- .35
Benzol, pure, nitration, tanks, works Sparrows Point, Md.	gal.	.37	- —
Syracuse, N. Y.	gal.	.37	- —
Terre Haute, Ind.	gal.	.35	- —
Wyandotte, Mich.	gal.	.38¼	- —
Youngstown, Ohio	gal.	.35	- —
Benzophenone, dms	lb.	1.45	- 1.70
Benzotrichloride, cbys., frt. equald	lb.	.18	- .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald	lb.	.20½	- .23½
l.c.l., same basis	lb.	.21½	- .24½
Peroxide, pure, fib. ctns., works	lb.	.90	- 1.05
Benzyl acetate, f.f.c., cns., dms	lb.	.65	- 1.05
Alcohol (see Alcohol, benzyl).			
Benzoate, USP, f.f.c., cns., dms	lb.	.80	- —
Chloride, tech., cbys., c.l., works, frt. equald	lb.	.21	- —
l.c.l., same basis	lb.	.22	- —
High grade benzyl chloride, 2c. higher.			
Cinnamate, cns	lb.	3.00	- 4.00
Formate, cns	lb.	1.60	- 2.10
Propionate, bots	lb.	1.35	- 1.80
Salicylate, bots	lb.	1.65	- 1.85
Benzylidinacetone, bots	lb.	1.85	- 2.45
Benzylisoeugenol, bots	lb.	8.80	-10.50
Berberine bisulphate, cns	lb.	35.00	-36.25
Hydrochloride, bots	lb.	35.00	-36.25
Sulphate, cns	lb.	35.00	-36.25
Berberis root, bls	lb.	.22	- .30
Betagammapicoline, 5', dms., c.l., works	lb.	.29½	- —
l.c.l., works	lb.	.30	- —
Betamethylnaphthalene, 32°C, m.p., dms., works	lb.	.90	- —
Betanaphthol, resublimed, dms., works	lb.	.78½	- —
tech., bbls., c.l., works	lb.	.32	- .32½
l.c.l., works	lb.	.34	- —

Amyl Butyrate—Black, Carbon, Channel

Betanaphthol benzoate, fib. dms., works	lb.	3.00	- —
Benzoate, fib. dms., works	lb.	3.00	- —
Custom contract	lb.	1.65	- 1.85
Salicylate, dms	lb.	5.00	- —
Betanaphthylamine, tech., bbls., works	lb.	1.05	- 1.10
Betaphenylethylamine, dms., works, 1,000-lb. lots	lb.	1.25	- —
smaller lots	lb.	1.30	- 1.60
Betapicoline, 98%, dms., works	lb.	1.05	- —
Beth root, bls	lb.	.45	- .50
Biotin, cryst., bots	gram.	10.00	- —
Bismuth chloride, jars	lb.	5.11	- —
Hydroxide, dms	lb.	4.65	- —
Metal, bxs., ton lots	lb.	2.25	- —
Nitrate, cryst., dms	lb.	2.17	- —
Oxide, anhydrous, dms	lb.	4.47	- 4.85
Oxychloride, dms	lb.	4.32	- 4.37
Phenolsulphonate, fib. dms	lb.	5.22	- —
Subcarbonate, USP, dms	lb.	3.20	- —
Subgallate, NF, fib. dms	lb.	3.15	- —
Subiodide, fib. dms	lb.	5.37	- —
Subnitrate, NF, dms	lb.	2.65	- —
Subsalicylate, USP, dms	lb.	3.50	- —
Bismuth-ammonium citrate, USP, powd., jars	lb.	4.22	- —
Black, acetylene, bgs., c.l., works	lb.	.15	- —
cs., l.c.l., ship't point	lb.	.19	- .21
Bone, bgs., bbls., dlvd., c.l	lb.	.14¾	- .18¾

Carload price ½c. per lb. less. Deliveries to the Pacific Coast ex dock or whse., 1½c. per lb. higher.

Carbon, channel, heads, bulk, c.l., works	lb.	.07	- —
bgs., c.l., works	lb.	.0740	- —
l.c.l., dlvd. or whse	lb.	.1225	- —
uncompressed, regular, bgs., c.l., works	lb.	.10	- —
bgs., ctns., l.c.l., dlvd. or whse	lb.	.10	- —



Just 1/25 of 1% of Alkaterge-C—that's all it takes to reduce the interfacial tension between n-hexane and water to one dyne per centimeter. In mineral oil, 0.1% reduces the interfacial tension to approximately one to two dynes per centimeter. That's why Alkaterge-C is such a successful oil-soluble wetting and auxiliary emulsifying agent. It's a sort of chemical lever—makes it easy for the emulsifying agent to do its job. This striking effect on interfacial tension suggests many applications in connection with lubrication, extraction, and impregnating operations.

This non-volatile, amine-type compound reacts with acids to form salts and soaps which are themselves emulsifying and wetting agents. Salts of the mineral and lower aliphatic acids are water-soluble. With the higher fatty acids, Alkaterge-C forms oil-soluble soaps. These salts and soaps have been used as wetting agents and penetrants in metal cleaners and in the processing and impregnating of textile and paper products.

Alkaterge-C also has many uses based on its acid-accepting and surface-active properties. It is an effective anti-foam agent, especially when used in conjunction with mineral oil, and it is also an excellent pigment-grinding assistant in mineral oil vehicles.

We will gladly furnish you with a sample and additional data upon request on your company letterhead.

PROPERTIES (of commercial-grade material)

Molecular and Equivalent Weights	350, approx.
Coefficient of Cubical Expansion (20° to 30°C)	0.0008 per 1°C 0.0004 per 1°F
Distillation Range at 3 mm of Mercury	194°C to 310°C
Solidification Point	—36°C, approx.
Surface Tension of Saturated Aqueous Solution:	Less than 40 dynes/cm
Interfacial Tension against Water of a 0.1% Solution in Mineral Oil	1 to 2 dynes/cm
Flash Point, Cleveland Open Cup	430°F
Solubility in Water	Less than 0.002% by weight
in Mineral and Vegetable Oils	Miscible
in Organic Solvent	Miscible with naphtha, benzene, kerosene, carbon tetrachloride, ethyl acetate, acetone, methanol, butanol, and most other organic solvents.

SPECIFICATIONS (tentative)

Oxazoline Content	70% by weight, minimum
Specific Gravity, 25°/25°C	0.925—0.931
Nitrogen (Kjeldahl)	3.80—4.10% by weight
Color, Gardner Scale	15 maximum
Appearance	Clear, free from suspended matter

CSC

INDUSTRIAL CHEMICALS DIVISION

COMMERCIAL SOLVENTS CORPORATION

17 EAST 42nd STREET, NEW YORK 17, N. Y.

ACIDS • ALDEHYDES • ALCOHOLS • ESTERS • AMINES • AMINO ALCOHOLS

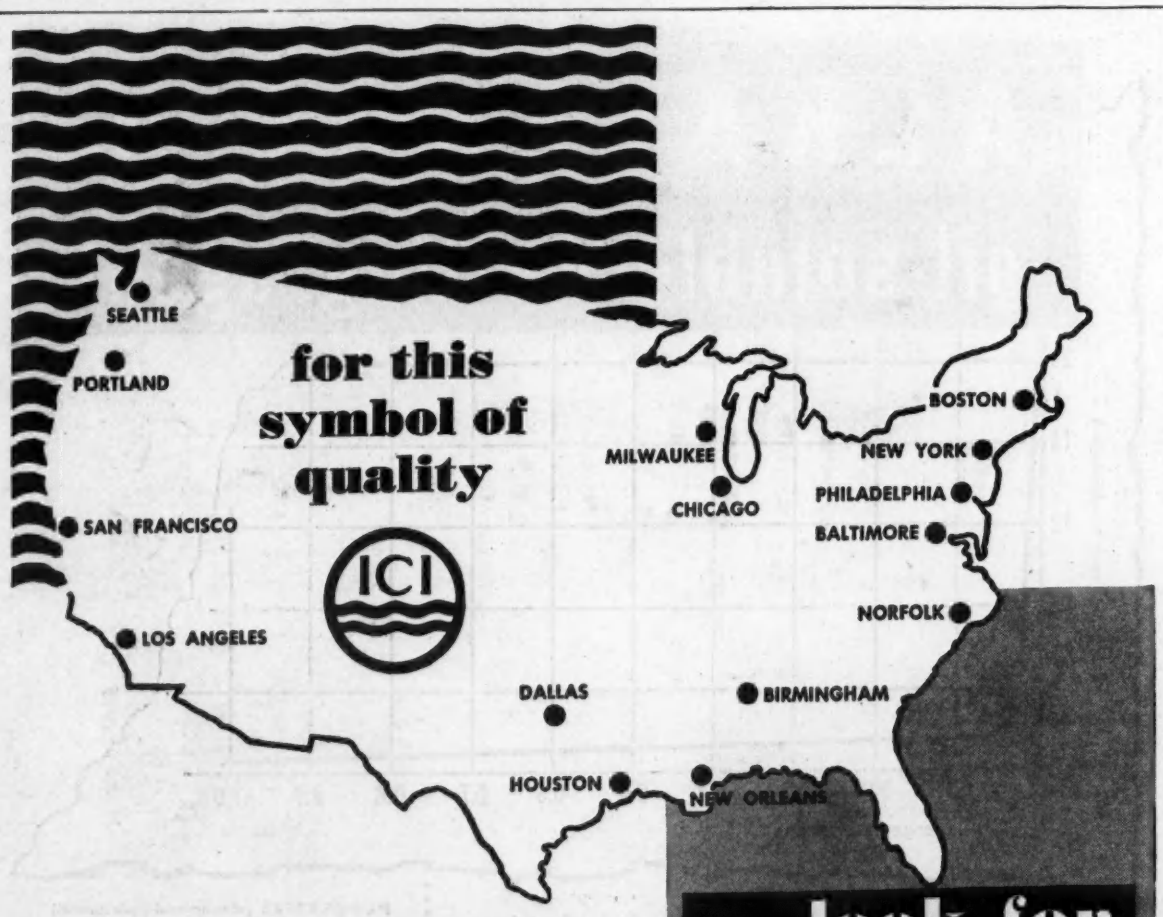
NITROGEN COMPOUNDS • NITRO COMPOUNDS • SOLVENTS • PLASTICIZERS • INTERMEDIATES

Black, Carbon, Furnace—Calcium Arsenate

Black, carbon, furnace, fast extruding, bgs., c.l., works..lb. .06 - —
ctns., l.c.l., whse.....lb. .10 - —
high abrasion, bulk, c.l., works..lb. .0750- —
bgs., c.l., works.....lb. .0790- —
l.c.l., dlvd. or whse lb. .1250- —
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse .....lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .04 - —
ctns., l.c.l., whse.....lb. .08 - —
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works..lb. .1175- —
l.c.l., works .....lb. .12 - —
Lamp, bgs., c.l., works.....lb. .16 - .45
Mineral, bgs., works.....lb. .0160- .0675
Black ash (see Barium sulphide).
Blackberry bark of root, bls.....lb. .25 - .30
root, bls. .....lb. .15 - .16
Black dyes (see Dyes).
Black haw, root, bark, bls.....lb. .75 - .80
tree bark, bls.....lb. .38 - .40
Black Indian hemp root, bls ....lb. .50 - .56
Blanc fixe, dry by-product, bgs., c.l., works ton.100.00 - —
l.c.l., works .....ton.110.00 - —
direct process, bgs., c.l., works. ton.90.00 - —
l.c.l., works .....ton.100.00 - —
N. Y. whse.....ton.120.00 -130.00
pulp, 66⅔%, bbls., c.l., works. ton.84.00 - —
l.c.l., same basis.....ton.92.00 - —
Bleaching powder, dms., c.l., works. 100 lbs. 6.00 - —
l.c.l., works.....100 lbs. 7.50 - —
Blood, dried, 16-16½% ammo., bgs. unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon., bulk, Chicago unit-ton. 8.25 - —
soluble, bgs., c.l.....lb. .18 - .19½
l.c.l. .....lb. .19 - .25
Bloodroot, bls .....lb. .68 - .70
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.00 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Chinese, bbls., same basis..... lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.85 - —
resinated, bbls, same basis... lb. 3.40 - —
water dispersable.....lb. 1.54 - —
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Methyl violet toner, molybdated, PMA bbls., same basis lb. 2.00 - —
tungstate, PTMA, bbls., same basis lb. 3.85 - —
Milori, bbls., same basis ..... lb. .45 - —
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, non-soluble, bbls., same basis lb. .45 - —
soluble, bbls., same basis... lb. .48 - —
Soda, C.P., bronze, bbls., same basis..lb. .45 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis. lb. .27 - .31½
regular types, dry, bbls., same basis lb. .23 - .31½
Victoria toner, molybdic, PMA, bbls..lb. 3.90 - —
Tungstic PTMA, bbls.....lb. 5.00 - —
Blue, dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher. Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls.....lb. .50 - .55
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls.....lb. .08 - .12
Bone, raw, bulk, Atlantic ports..ton.60.00 - —
Meal, raw, 4½% ammon. 50% phos., bgs., works, E..ton.72.50 - —
steamed, works, E.....lb.77.50 - —..
Phosphate, defluorinated (see D). precipitated (see Calcium phosphate tribasic precip).
Boneset leaves and tops, bls.....lb. .17 - .20
Borage flowers, bls.....lb. .40 - .49
Borax, tech., anhydrous, bgs., c.l., works..ton.74.50 - —
ton lots, ex whse., N. Y. or Chi..ton.120.25 - —
less ton lots, same basis. ton.125.25 - —
bulk, c.l., works.....ton.67.50 - —
crystals, 99½%, bgs., c.l., works ton.63.75 - —
ton lots, ex whse., N. Y. or Chi..ton.109.50 - —
less ton lots, same basis ton.114.50 - —
Borax, cryst., 99½%, bbls., c.l., works..ton.88.25 - —
ton lots, ex whse., N. Y., or Chi..ton.134.00 - —
less ton lots, same basis. ton.139.00- —
bulk, c.l., works.....ton.59.25 - —
granular, 99½%, bgs., c.l., works..ton.37.75 - —
less ton lots, same basis. ton.88.50 - —
ton lots, ex whse., N. Y. or Chi..ton.83.50 - —
bbls., c.l., works.....ton.62.25 - —
ton lots, ex whse., N. Y. or Chi..ton.108.00 - —
less ton lots, same basis. ton.113.00 - —
bulk, c.l., works.....ton.33.25 - —
powder, bgs., c.l., works ton.42.75 - —
ton lots, ex whse., N. Y. or Chi..ton.88.50 - —
less ton lots, same basis. ton.93.50 - —
bbls., c.l., works.....ton.67.25 - —
ton lots, ex whse., N. Y. or Chi..ton.113.00 - —
less ton lots, same basis. ton.118.00 - —
bulk, c.l., works.....ton.38.25 - —
Borax packed in kgs. is $45.50 per ton higher than borax packed in [illegible] bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point..lb. .15 - .21
l.c.l., same basis.....lb. .16 - .23
Borneol, cns. .....lb. 2.25 - 2.50
Borontrifluoride, gas, cyls., truckload, works..lb. .62 - —
less truckload, works..... lb. .70 - —
Bornyl Thiocyanoacetate (see Isobornyl Thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .25 - —
1,000 lbs., same basis.....lb. .27 - —
dms., lead-lined, dlvd .....lb. .25 - —
Bromoform, pharmaceutical grade, bots..lb. 1.62 - 2.60
cbys. .....lb. 1.52 - —
Bromstyrol, bots .....lb. 5.40 - 5.70
Bronze powder, aluminum (see A).
Gold, litho., cns., dms., works, lb. .75 - .85
moulding, cns., dms., works lb. .85 - 1.00
printing ink, cns., dms., works..lb. 1.05 - 1.25
radiator, cns., dms., works..lb. .80 - .85
Broomtop, bls.....lb. .30 - .35
Brown, iron oxide, synth., bgs., works..lb. .1275- .13
Oxide, metallic, bgs., works....lb. .0375- —
Sap, crystals, bgs., works.....lb. .12 - —
powdered, bgs.....lb. .13 - —
Sienna, burnt, paper bgs., c.l., works..lb. .04¼- .15¼
l.c.l., works.....lb. .04½- .15¼
raw, paper, bgs., c.l., works..lb. .04½- .13
l.c.l., works.....lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works..lb. .06 - —
l.c.l., works.....lb. .06¼- —
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N. Y..lb. .06¼- —
l.c.l., works.....lb. .06½- —
raw, American, bgs., same basis lb. .06¼- .06¼
Turkey type bgs., same basis lb. .06½- .06¾
Vandyke, bbls., works.....lb. .11 - —
Brucine, cns., 100 ozs.....oz. .35 - —
Sulphate, NF, cns., 100 ozs....oz. .27 - .30
Bryonia root, bls.....lb. .22 - .34
Buchu leaves, bls .....lb. .37 - .40
Buckthorn bark, bls .....lb. .13 - .17
cut and sifted, bls.....lb. .18 - .23
Berries, bgs .....lb. .80 - .90
Burdock, root, bls .....lb. .22 - .26
Butadiene, cyls. refinery.....lb. .22 - —
tanks, same basis.....lb. .11½- .12½
Butane, indust., tanks, group 3..gal. .05 - —
Butternut bark, bls.....lb. .23 - .25
Butyl acetate, fermentation, normal, dms., c.l., frt. alld. E..lb. .29¾- .30¾
l.c.l., same basis.....lb. .30¾- .31¾
tanks, same basis.....lb. .28 - .29
synthetic, normal, dms., c.l., same basis..lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .18¼- —
secondary, dms., c.l., same basis..lb. .15¾- —
l.c.l., same absis.....lb. .16½- —
tanks, same basis.....lb. .14 - —
Alcohol (see Alcohol butyl).
Aldehyde, dms., c.l., works...lb. .21¾- —
l.c.l., works.....lb. .22¾- —
tanks, works.....lb. .20 - —
Chloride, dms., c.l., works....lb. .43½- —
l.c.l., works.....lb. .44 - —
Ether (see Ether, butyl).
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .49¾- —
l.c.l., same basis.....lb. .50¾- —
tanks, same basis .....lb. .48 - —
Laurate, dms., works.....lb. .39 - —
Methacrylate normal, dms., less than truckload, works..lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .36 - —
Phenylacetate, dms .....lb. 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms., l.c.l., frt. equald .... lb. .27½- .43
Butylamine, dms., c.l., frt. alld..lb. .54¾- —
l.c.l., same basis.....lb. .55¾- —
tanks, same basis.....lb .53 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium iodide, jars.....lb. 5.00 - 5.22
Metal, ingots or sticks, cs., dlvd. lb. 2.55 - —
Stearate, 50-lb. ctns., l.c.l., f.o.b. N. Y., frt. equald lb. 1.25 - —
Caffeine, natural, USP, cryst., dms., 100 lbs. or more..lb. 5.25 - —
anhydrous, dms .....lb. 5.50 - 5.75
synthetic, USP, cryst., dms., 100 lbs. or more..lb. 3.80 - —
anhydrous, dms., 100 lbs. or more..lb. 4.00 - —
Citrated, USP, dms., 100 lbs. or more..lb. 2.60 - —
Hydrobromide, bots.....lb. 7.72 - 7.97
Calamine, USP, dms.....lb. .34 - —
Calamus root, dom., natural, bgs.lb. .25 - .30
imported, bleached, bls.....lb. .70 Nom.
stripped, bls.....lb. .30 - .40
Calciferol cryst., vials, 250 grams or more, works..gram. 1.90 - —
25 to 249 grams, works..gram. 2.10 - —
1 to 24 grams, works...gram. 2.30 - —
In edible oil dms., 10,000 or more standard units (1 standard unit equals 1,000,000 USP units), works..unit. .04¾- —
1,000 to 10,000 standard units, works..unit. .05¼- —
less than 1,000 standard units, works unit .05¾- —
Calcium acetate, bgs., dlvd 100 lbs. 3.00 - 4.00
Arsenate dealers, dms., c.l., whse., works, frt. alld. on 98 lbs. or over..lb. .11 - —
l.c.l., same basis.....lb. .12 - .13



These Stock Points Are Your Assurance of Quality Materials

● ● ● *When You Want Them*
● ● ● ● *Where You Want Them*

Sodium Bicarbonate
Sodium Nitrite
Urea
Ammonium Chloride
Ammonium Bicarbonate
Ammonium Carbonate
Bleaching Powder (Stabilized)
Perchlorethylene
Sodium Perborate
Chlorinated Paraffins

This is only a partial listing of the items we offer. Let us know your requirements.

CHEMICAL MANUFACTURING CO., INC.

21 WEST STREET
369 PINE STREET
Supplying ICI *Heavy Chemicals*

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CMC

NEW YORK 6, N. Y.
SAN FRANCISCO
to American Industry

Calcium bromide, NF, jars ... lb. .90 - 1.10
Carbide, standard generator size, cms., c.l., dlvd ton.128.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.25.00 - —
liquor, same basis, 40%, tank-cars ton.10.50 - —
pellets, bgs., c.l., works ton.31.25 - —
powdered, bgs., c.l., works ton.35.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.23.50 - —
l.c.l., works, same basis ton.32.00 -69.00
USP, gran., bbls ... lb. .30 - —
Chromate, bgs., frt. equald ... lb. .29½- .30
lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .50
Gluconate, AA, bbls., dms ... lb. .65 - .72
USP, bbls., dms ... lb. .58 - .65
Glycerophosphate, NF, fib. dms. lb. 2.00 - 2.15
Hydride, dms., works ... lb. .90 - —
Hypochlorite, high test, cns., cased (45 lbs.) dlvd. E. of Rockies cs.21.00 -23.00
100 lbs., dms., same basis dm.25.25 -29.85
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars ... lb. 4.32 - —
Lactate, USP, dms., 10,000 lbs. or more, works lb. .40 - —
smaller lots, works ... lb. .41 - .47
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4% Ca, dms., frt. equald ... lb. .25¾- .26¼
Nitrate, tech., bbls., works ... lb. .10 - .12
fertilizer grade, bgs., c.l., Los Angeles ton.49.25 - —
Pantothenate, dextro, jars, 100 grams or more, frt. adjusted gram. .07½- —
Phenolsulphonate, dms g. .70 - —
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 7.90 - 7.25
l.c.l. ... 100 lbs. 7.25 - 7.75
feed grade, bgs., c.l., works. ton.92.50 - —
l.c.l., bgs., works ton.95.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .0605- —
smaller lots, same basis lb. .0655- —
tribasic, bgs., c.l., works.100 lbs. 6.75 - —
l.c.l., works ... 100 lbs. 7.20 - 7.50
Phytate, bgs., works ... lb. .28 - —
Resinate, precip., dms., frt. alld., works lb. .27½- —
Silicate, hydrated, bgs., c.l., works lb. .06 - —
l.c.l., works ... lb. .06½- —
Stearate, ctns., c.l. ... lb. .39 - —
ton lots ... lb. .40 - —
less ton lots ... lb. .41 - —
Sulphate (see Gypsum).
Calcium-strontium sulphide, phosphorescent, steel pails, 100 lb. to 999 lb. lots, works.lb. 2.60 - 3.50
fine particle size, same basis, works lb. 2.85 - 3.75
Calendula flowers, bls ... lb. .50 - .65
Calomel, USP, powd., dms ... lb. 4.02 - —
Camphene, dms., extra, c.l., works. 100 lbs.17.80 -18.80
l.c.l., same basis ... 100 lbs.18.30 -19.65
tanks, same basis ... 100 lbs.15.60 -16.60
Chlorinated, 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.00 - 3.10
natural, USP, powd., 100-lb. lots, bbls lb. .52 - .60
tablets, 1-oz., ½-oz., cs ... lb. .69 - .73
synthetic, tech., bbls., 10 bbls., 1,500-lb. lots lb. .55½- —
smaller lots ... lb. .56 - .66
USP, gran., powd., bbls., 2,000-lb. lots lb. .60 - —
1,000-lb. lots ... lb. .61 - —
smaller lots ... lb. .62 - —
tablets, tins, 2,000-lb. lots lb. .93 - —
1,000-lb. lots ... lb. .94 - —
smaller lots ... lb. .95 - —
Canada balsam (see Fir balsam).
Canella alba bark, bls ... lb. .25 - .33
Cantharides, Chinese, cs ... lb. 1.05 - 1.20
powd., bxs ... lb. 1.15 - 1.40
Russian, bgs ... lb. 2.80 - 3.25
powd., bxs ... lb. 2.90 - 3.50
Capsicum (see Pepper, red).
Oleoresin, NF from domestic pepper lb. 4.00 - 5.50
from African pepper ... lb. 5.75 - 6.25
Caramel coloring, NF, bbls ... gal. 1.05 - 1.20
Caraway seed, Dutch, bgs ... lb. .12½- .13
Carbazole, 97% steel dms., ton lots, works lb. 1.55 - —
bbls., same basis ... lb. 1.65 - 1.85
Carbinol, methylisobutyl, dms., c.l., frt. alld lb. .15¼- —
l.c.l., same basis ... lb. .16 - —
tanks, same basis ... lb. .13½- —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06½- —
l.c.l., same basis ... lb. .07½- —
5-gal. dms., c.l., same basis. lb. .08¾- —
l.c.l., same basis ... lb. .09¾- —
tankcars, same basis ... lb. .0480- —
Dioxide, cyls ... lb. .06 - .08
Tetrachloride, CP, dms., works.lb. .111 - .121
NF, cbys ... lb. .17 - .19
tech., dms., c.l., E. of Rockies, frt. alld lb. 8.60 - —
W. of Rockies, f.o.b. stock points lb. 9.10 - —
l.c.l., E. of Rockies, frt. alld. lb.10.60 - —
W. of Rockies, frt. alld. lb.10.69 - —
tanks, E. of Rockies, frt. alld. lb. .0785- —
W. of Rockies, frt. alld. lb. .0835- —
Carboxymethylcellulose-Sodium—See CMC
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works ... lb. 4.10 - 4.75
Cardamom fruit, bleached, A, cs ... lb. 4.50 - —
medium, cs., futures ... lb. 4.30 - 4.35
decorticated, Alleppey, cs ... lb. 3.70 - 3.75
Guatemalan, cs ... lb. 3.60 - 3.65
Mangalore type, cs ... lb. 3.50 - 3.55
Indian, cs ... lb. 3.50 - 3.55
green, Alleppey, bgs ... lb. 2.75 - 2.80
Ceylon, bgs ... lb. 2.75 - 2.80
seed (see Cardamom fruit, decorticated).
Carmine No. 40, NF, bulk, 100 lbs. or more, dlvd lb. 5.50 - —
smaller lots, dlvd ... lb. 5.65 - 6.15
Carotene, crystals, research grade, pure alpha or beta ampuls. 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.00 - —
gram quantities, ampuls, gm. 5.00 - —
technical, 1,350,000 A units per ampuls gram gm. .67½- —
tins, works ... gm. .50 - —
dry powder, 3,330 A units per gram., tins lb. .81 - —
emulsion (in milk), 600,000 A units per 16-oz. can per can. 1.00 - —
in vegetable oil, 166,666 A units, per gram lb.25.24 - —
50,000 A units per gram, cns lb. 7.86 - —
3,330 A units per gram cns lb. .85 - —
feed grade, 5,000,000 to 8,000,000 A units, per lb., dms., works mill units. .18 - —

Carotene, microcrystalline, in oil, 400,000 A units per gram, tins, works mill units. .30 - —
Carvol, bots ... lb. 8.75 -10.50
Cascara sagrada bark, bulk ... lb. .37 - .38
Casein dom., acid-precip. standard, bgs., 10,000 lbs. or more, ship't. point lb. .34 - .36
premium bgs., 10,000 lbs. or more, ship't. point lb. .39½- .41½
imp., acid-precip. ground 100 bgs., or more, ex dock lb. .34½- .35½
rennet-precip. bgs., 10,000 lbs. or more, ex dock lb. .33¾- .35½
Cashewnut shell liquid, treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis ... lb. .22¼- —
dm. lots, same basis ... lb. .24¼- —
Cassia, Batavia, cuttings, bls ... lb. .14 - .14½
longstick ... lb. .17½- .18
shortstick, bls ... lb. .14½- .15
China, Canton, Kwangsi rolls, select, cs lb. .18 - .18½
broken, bls ... lb. .16½- .17
Honan, Yunnan, scraped, bls.lb. .24½- .27
broken, bls ... lb. .25 - .26
unscraped, bls ... lb. .23 - .24
broken, bls ... lb. .23 - .24
Saigon, broken, bls ... lb. .26 - .28
medium, bls ... lb. .32 - .33
thin, bls ... lb. .52 - .53
Cassia buds, bgs ... lb. .30 - .31
Fistula, bskts ... lb. .25 - .30
Castor beans, bgs., f.o.b. Brazilian ports long ton.275.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ... ton.37.25 - —
Castoreum artificial, cns ... lb. 9.00 - 9.25
natural, cns ... lb. 7.00 -30.00
Catechol, CP, cryst. fib. dms., works lb. 2.17½- —
resublimed dms., works ... lb. 4.29½- —

Catnip leaves, southern, bls ... lb. .65 - .70
Celery seed, French, bgs ... lb. .35½- .36
Indian, bgs ... lb. .31 - .31½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - .50
molding, composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .50 - —
l.c.l., same basis ... lb. .53 - —
regular, black, dms., l.c.l., same basis lb. .43 - —
molding and extrusion transparents, dms., c.l., same basis lb. .55 - —
l.c.l., same basis ... lb. .58 - —
extrusion compounds, translucent, metallic pearls, special black, dms., c.l., same basis lb. .55 - —
l.c.l., same basis ... lb. .58 - —
Acetate-butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .62 - —
less than 500 lbs., works lb. .63 - —
17.5% butyryl content, ctns., 500 lbs. or over, works.lb. .56 - —
less than 500 lbs., works lb. .57 - —
26.5% butyryl content, 500 lbs. and over, works lb. .62 - —
less than 500 lbs., works lb. .63 - —
37%, butyryl content, ctns., 500 lbs. and over, works lb. .58 - —
less than 500 lbs., works lb. .59 - —

Cellulose, acetate - butyrate, flake, 48% butyryl content, ctns., 500-lbs. and over, works. lb. .70 - —
less than 500-lbs., works lb. .71 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld lb. .65 - —
regular black, dms., l.c.l., same basis lb. .53 - —
Triacetate, flake, ctns., works, frt. alld. on 100-lbs. or more. lb. .52 - —
Cerium hydrate, dms., works lb. 1.44 - 1.60
Oxalate, NF, bbls., bgs., works.lb. No prices.
Oxide, optical grade, bgs., 50-lbs. or more, works lb. 1.75 - 1.95
smaller lots, works lb. 1.80 - 2.25
Chalk, precip., cosmatic, dentifrice, drugs, bgs., c.l., works lb. .0295- .035
l.c.l., ex whse ... lb. .0395- .05
paint, bgs., c.l., works ... ton.40.00 - —
papermakers, bgs., c.l., works.ton.32.50 -40.00
rubber makers, bgs., c.l., works. ton.55.00 -60.00
Chamomile flowers, Hungarian and Hungarian style, cs lb. .55 - .70
Roman, cs lb. .75 - .80
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works ... lb. .26½- .32½
smaller lots, works ... lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.70.00 -80.00
l.c.l., works ... ton.75.00 -85.00
bulk, c.l., works ... ton.64.00 - —
granular, bgs., c.l., works ton.65.00 - —
l.c.l., works ... ton.65.00 - —
lump, bulk, c.l., works ... ton.46.00 - —

Charcoal Pinewood—Coumarin

Charcoal, pine wood, gran., powd., bgs., c.l., works, South ..ton. 43.50 - —
l.c.l., works ..ton. 43.50 -53.50
lump bgs., c.l., works, South.ton. 40.00 - —
l.c.l., works, South ..ton. 50.00 -60.00
bulk, c.l., works, South ..ton. 33.50 - —
Chestnut extract, 25% tannin, bbls., c.l., works ..lb. .0510- —
l.c.l., works ..lb. .0543- —
tanks, works ..lb. .0425- .0440
powd., 60% tannin, bgs., extra, c.l., works ..lb. .1092- —
l.c.l., works ..lb. .1165- —
Chloral, tech., 94% min., dms., c.l., works ..lb. .23 - —
l.c.l., works ..lb. .24 - —
tanks, works ..lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots ..lb. 1.30 - —
500-lb. lots ..lb. 1.33 - —
100-lbs. or less ..lb. 1.35 - 1.40
Chloramine T, NF, bbls., works ..lb. .75 - 1.00
Chlordane, agricultural, dms., pails, c.l., works ..lb. .65 - —
l.c.l., works ..lb. .70 - .75—
refined, dms., c.l., works ..lb. .75 - —
l.c.l., works ..lb. .80 - .85
Chlorinated paraffin, 42%, dms., frt. alld., c.l., ..lb. .14 - .14¼
l.c.l., ..lb .15 - —
tanks ..lb. .13 - —
70%, dms., c.l., same basis ..lb. .18 - —
l.c.l., same basis ..lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., works, c.l., ..lb. .58 - —
same basis, l.c.l. ..lb. .59 - .60
125, 1,000 cps., ctns., same basis, c.l ..lb. .60 - —
l.c.l., ..lb. .61 - .62

Chlorine, liquid, cyls., c.l., N.Y. ..lb. .06¾- —
l.c.l., N.Y., stock points ..lb. .10¼- —
tanks, single units, works, frt. equald ..100 lbs. 2.70 - —
multiple units, 3 cars, works, frt. equald ..100 lbs. 3.10 - —
2 cars, same basis ..100 lbs. 3.80 - —
1 car, same basis ..100 lbs. 4.40 - —
Chloroform, tech., dms., c.l., dlvd. E. ..lb. .18 - .182
l.c.l., same basis ..lb. .192 - .20
tanks, same basis ..lb. .17 - .171
USP, dms. ..lb. .30 - .35
Chloro(4)-2-Toluidine, bbls ..lb. 1.38 - —
Chlorophyll, oil-soluble, copper fixed, 6½% tins, pails, works. ..lb. 3.75 - 4.50
not fixed, 4%, tins, pails, works ..lb. 3.75 - 4.50
water-soluble, copper fixed, 20%, tins, pails, works ..lb. 17.50 -18.50
40%, tins, pails, works ..lb. 36.00 -37.00
50%, tins, pails, works ..lb. 40.00 -50.00
75%, tins, pails, works ..lb. 66.00 -76.00
not fixed, 4%, tins, pails, works. ..lb. 3.50 - 4.50
14%, tins, pails, works ..lb. 11.50 -13.00
25%, tins, pails, works ..lb. 50.00 -55.00
Chloropicrin, com'l, bots ..lb. 1.50 - —
cyls., 180 lbs., frt. alld ..lb. .95 - —
100 lbs., same basis ..lb. .97 - —
25 lbs., same basis ..lb. 1.22 - —
Cholesterol, USP, fib. dms., 100-lb. lots ..lb. 8.80 - 9.50
5-lb. pkg. ..lb. 9.00 -10.50
1-lb. pkg. ..lb. 9.50 -10.50
Choline bitartrate, fib. dms., frt. adjusted ..lb. 1.85 - 2.10
Chloride, fib. dms., same basis ..lb. 1.85 - 2.10
Dihydrogen citrate, fib. dms., same basis ..lb. 1.85 - 2.10

Chromium acetate, powd., 72% Cr., bbls., works ..lb. No stocks.
solut., 7½%, bbls., works ..lb. .08½- —
cbys. ..lb. .10¼- —
8½%, bbls., works ..lb. .09 - —
cbys. ..lb. .10¾- —
Fluoride, bbls., works ..lb. .44½- —
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, solid, bbls ..lb. .49 - —
Trioxide, NF, bots ..lb. .82 - —
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots ..lb. 6.50 - 8.99
Cinchona bark, NF, red, broken, bgs ..lb. .28 - .30
yellow, broken, bgs ..lb. .28 - .30
Cinchonidine, cryst., cns., 100 ozs. ..oz. .71 - .72
Sulphate, cns., 100 ozs ..oz. .37 - .40½
Cinchonine cryst., cns., 100 ozs ..oz. .57 - —
Sulphate, NF, cns., 100 ozs ..oz. .27½- —
Cinchophen, NF, heavy density, dms., frt. adjusted ..lb. 3.70 - 4.05
Standard density, dms., same basis ..lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted ..lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic)
Aldehyde, NF, cns., dms ..lb. 1.05 - 1.30
Cinnamon, Ceylon, No. 2, bls ..lb. .26½- .27
Citral, bots., cns ..lb. 7.25 - 8.30
Citronellal, bots., dms ..lb. 3.15 - 3.40
Citronellol, bots., dms ..lb. 3.00 - 3.20
Civet, artificial, bots ..lb. 13.75 -15.00
natural, bots ..oz. 4.00 - 7.00
Clay, ball, dom., crushed, bulk, Tennessee ..ton. 10.00 -12.00
airfloated, bgs., c.l., Tennessee. ..ton. 19.50 - —
purified, bgs., c.l., Tennessee. ..ton. 20.50 - —

Clay, ball, imported, lump, bulk, Atlantic port ..long ton. 27.00 -30.00
airfloated, bgs., c.l., Atlantic port ..long ton. 44.00 -46.00
imp., pulverized, bgs., l.c.l., all ports ..ton. 55.00 - —
97%, 200 mesh, bgs., c.l., Georgia ..ton. 11.00 - —
China, dom., ry-grd., air-float, 99%, 300 mesh bgs., c.l., works ..ton. 11.50 -14.50
l.c.l., works ..ton. 35.30 - —
bulk, c.l., works ..ton. 8.50 -11.50
99%, 200 mesh, bgs., c.l., works ..ton. 13.50 -17.00
imported, white, lump, bulk, c.l., ex dock, Phila., Portland, Me. ..gross ton. 20.00 -40.00
powd., bgs., c.l., ex dock. net ton. 45.00 - —
l.c.l., ex whse ... net ton. 56.00 -60.00
Clove, Madagascar, bls., futures ..lb. .70 - .71
Zanzibar, bls. ..lb. .72 - .72½
Clover tops, red, bgs ..lb. .70 - .75
CMC, purified, high vis., (see Gum, cellulose).
standard low vis., bgs., 23,000 lbs. or over, works, frt. alld. ..lb. .60 - —
smaller lots, same basis ..lb. .62 - —
medium vis., bgs., 23,000 lbs. or over, works, frt. alld ..lb. .57 - —
smaller lots, same basis ..lb. .59 - —
technical, high vis., 58% purity, bgs., 20,000 lbs or more, dlvd. E., 100% basis ..lb. .56 - —
2,000 to 20,000 lbs., dlvd. E. ..lb. .58 - —
less than 2,000 lbs., dlvd. E ..lb. .62 - —
low vis., 62% purity, bgs. or fib. dms., c.l., dlvd. E., 100% basis ..lb. .46 - .47
l.c.l., dlvd. E ..lb. .48 - .49
58% purity, bgs., c.l., dlvd. E. net weight basis ..lb. .34 - —
l.c.l., dlvd. E ..lb. .36 - —
47½% purity, bgs., c.l., dlvd., E., 100% basis ..lb. .46 - —
l.c.l., dlvd. E ..lb. .48 - —
36½% purity, bgs., c.l., dlvd. E., net weight basis ..lb. .18½- —
l.c.l., dlvd. E ..lb. .20 - —

Technical grades of CMC West of the Rocky Mountains are quoted f.o.b. works at 1c. per pound below the above delivered prices.

Coaltar, coal gas, water gas, crude, resale dms., c.l., ex-whse. ..gal. .25 - .27½
l.c.l., ex-whse ..gal. .27 - .28½
tanks, ex-whse ..gal. .15 - —
refd., resale, bbls., c.l., ex-whse ..gal. .26 - .28½
l.c.l., ex-whse ..gal. .28 - .29½
tanks, ex-whse ..gal. .15½- .16
Cobalt acetate, 23.7% bbls., dlvd ..lb. 1.11 - —
Carbonate 48%, powd., bgs., works ..lb. 1.84 - —
Chloride, 24.2% Co., kgs., works, ..lb. 1.06½- —
Hydrate, 60-61% Co., bbls ..lb. 2.41 - —
Linoleate fused, 8½% Co., dms ..lb. .62¼- —
liquid, 6% Co., dms ..lb. .51¾- —
Metal, 97-99%, kgs., ex-whse ..lb. 2.40 - —
Naphthenate, liq., 6% Co., dms., ..lb. .42¼- —
Nitrate, 20.1% Co., bbls ..lb. .96 - —
Oxide, 70-71% Co., black, kgs ..lb. 1.76 - —
Phosphate, powdered, 32.1% Co., kgs ..lb. 1.49 - —
Resinate, fused, 3% Co., dms ..lb. .26½- —
Sulphate, 21% Co., bbls ..lb. 1.22¼- —
Cocaine, USP, cns., 100-oz ..oz. 15.00 - —
Hydrochloride, cns. 100-oz. lots ..oz. 11.75 - —
Cochineal, gray, bgs ..lb. .67 - .72
Cocillana bark, bgs ..lb. .15 - .17
Cocoa butter, bgs., c.l ..lb. .62 - —
Codeine, NF, cns., 100 ozs ..oz. 13.25 - —
Hydrochloride, cns., 100 ozs ..oz. 11.85 - —
Phosphate, USP, cns., 100 ozs ..oz. 10.25 - —
Sulphate, USP, cns., 100 ozs ..oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh black root, bls ..lb. .22 - .25
Blue, root, bls ..lb. .17 - .18
Colchicine USP bots, cns ..oz. 74.50 -85.00
Colchicum root, bls ..lb. .42 - .52
Seed, bgs ..lb. .80 - 1.10
Collodion, USP, dms ..lb. .32½- —
Flexible, USP, dms ..lb. .34 - —
Colocynth, pulp, bls ..lb. .30 - .35
Colombo, root, bls ..lb. .11 - .14
Coltsfoot leaves, bgs ..lb. .25 - .30
Condurango bark, bgs ..lb. .17 - .18
Copaiba balsam, cns., dms ..lb. 1.50 - 1.65
Copper acetate, bbls., c.l., works ..lb. .37 - —
l.c.l., works ..lb. .38 - —
Carbonate, 55%, bgs., works ..lb. .22 - .23½
Chloride, anhyd., bbls., works ..lb. .34½- —
crystals, bbls., works ..lb. .22¾- —
Citrate, USP, 5-lb. bots ..lb. 2.40 - —
Cyanide, tech., bbls ..lb. .613 - .633
Gluconate, cns., dms ..lb. 3.00 - 3.24
Hydrate, dms., frt. alld. E. Miss. ..lb. .36 - .36½
Metal, electrolytic ..lb. .24½- .27½
Naphthenate, liquid, 8% Cu. dms., frt. alld ..lb. .24¾- —
Nitrate, tech., cryst., bbls., works. ..lb. .25¼- —
Oleate, solid, 9% Cu, dms., works, ..lb. .45 - —
Oxide, black, bbls., works ..lb. .39 - .42
red, com'l, bbls., works, c.l. ..lb. .41 - .47
l.c.l. ..lb. .43 - .49
Oxychloride-sulphate, bgs., frt. alld ..lb. .24¼ Nom.
Quinolinalate, fib. dms ..lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld. ..lb. .27½- —
Stearate, ton lots, works ..lb. .38½- .39½
less ton lots, works ..lb. .40½- —
Sulphate, cryst., 99%, bgs., c.l., works ..100 lbs. 8.95 - 9.95
l.c.l. ..100 lbs. 9.20 -10.95
CP, cryst., gran., bbls., works ..lb. .1615- —
monohydrated, 35%, dms., c.l., works ..100 lbs. 14.95 -15.50
tribasic, dealers, bgs., c.l., works, frt. alld ..100 lbs. 25.60 - —
l.c.l., works ..100 lbs. 27.10 - —
USP, gran., cryst., dms ..lb. .1615- .2500
Undecylenate, dms. ..lb. 2.90 - 3.00
Copperas, cryst., gran., bgs., c.l., works ..ton. 17.00 - —
l.c.l., works ..100 lbs. 1.55 - 2.00
bulk, c.l., works ..ton. 14.00 - —
bbls., c.l., works ..ton. 20.00 - —
Copra, c.i.f. Atlantic, Gulf ports.. ..ton. 172.50 - —
Pacific ports ..ton. 167.50 - —
Coriander seed, Argentine, bgs ..lb. .13 - .13½
Czech, Roumanian, bgs ..lb. .16 - .16½
Morocean, bgs. ..lb. .10¾- .11
futures ..lb. .10½- .11
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. ..100 lbs. 7.19 - —
Syrup, 42°, dms., c.l ..100 lbs. 7.21 - —
l.c.l. ..100 lbs. 7.36 - —
Cornsilk, bls. ..lb. .12 - .14
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more ..lb. 3.68 - —
gran. powd., dms., 50 lbs. or more ..lb. 3.53 - —
Cottonroot, bark, bls ..lb. .26 - .28
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, Memphis ..ton. 85.00 - —
Coumarin, cryst., NF, cns ..lb. 2.84 - 3.15
powd., cans ..lb. 3.20 - 3.25

KAY-FRIES...

CNCH₂COOH cyanoacetic acid

Cyanoacetic Acid is an intermediate for amino acids, barbiturates, dyes, the purine group, vitamins and other drugs. Chemically, its "cyano-activated" methylene group and easily hydrolyzed cyano group are particularly interesting.

KAY-FRIES SPECIFICATIONS

assay • 98.0% min. (by acidity and hydrolysis) Kay-Fries CYANOACETIC ACID is exceptionally uniform in purity with water accounting for substantially all of the remaining 2.0%.

color • 75 Hazen scale (10 g. of acid in 50cc dist. H_2O).

ash • .075% maximum.

Typical reactions of CYANOACETIC ACID

ESTERIFICATION
$CNCH_2COOH + ROH \longrightarrow CNCH_2COOR + H_2O$

AMIDATION
$CNCH_2COOH + HNRR^1 \longrightarrow CNCH_2CONRR^1 + H_2O$

CHLORINATION
$CNCH_2COOH + PCl_3 + Cl_2 \longrightarrow CNCH_2COCl + POCl_3 + HCl$

HYDROLYSIS
$CNCH_2COOH + H_2O \longrightarrow CH_2(COOH)_2 + NH_3$

REDUCTION
$CNCH_2COOH + 2H_2 \longrightarrow NH_2CH_2CH_2COOH$

CONDENSATION
$CNCH_2COOH + RCOR^1 \longrightarrow RR^1C{=}C(CN)COOH + H_2O$

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KAY FRIES
Plant—West Haverstraw, N. Y.

Cramp bark, NF, bls.....lb. .80 - .90
Cranesbill root, bls.....lb. .55 - .60
Cream of tartar, N.F., dom., gran. or powd., bbls., 5,000 lbs. one shipment..lb. .34½- —
smaller lots, bbls., kgs..lb. .35 - .36
imported, kgs.....lb. .29¾- .31¾
Creosote, coaltar, crude, tanks, works, frt. adjusted..gal. .20 - —
refined, dms., c.l., works..gal. .35 - —
l.c.l., same basis.....gal. .41 - —
tanks, same basis.....gal. .27 - —
solution, 80%, tanks, works gal. .188 - —
Beechwood, cbys., dms.....lb. 1.35 - 1.40
Hardwood, bots., cbys.....lb. 1.05 - 1.10
Pinewood, dms.....gal. .31 - .32
Carbonate, NF, bots., cbys...lb. 2.80 - 2.90
Cresol tech., dry, above 207°C, non-ret. dms., c.l., frt. equald. .....lb. .156 - —
l.c.l., same basis.....lb. .161 - —
ret. dms., c.l., same basis. .....lb. .155 - —
l.c.l., same basis.....lb. .16 - —
tanks, same basis.....lb. .145 - —
USP, non-ret. dms., c.l., same basis..lb. .168 - —
l.c.l., same basis.....lb. .171 - —
ret. dms., c.l., same basis....lb. .16½ - —
l.c.l., same basis.....lb. .17 - —
tanks, same basis.....lb. .155 - —
Crotonaldehyde, 91-93%, dms., c.l., works..lb. .22 - —
l.c.l., works.....lb. .23 - —
Cryolite, nat., dealers, bgs., c.l., dlvd.....100 lbs.15.25 - —
l.c.l., dlvd.....100 lbs.16.25 - —
Cube root, powd., 5%, rotenone, bgs., works..lb. .25 - .26
Cubeb berries, XX NF, bgs.....lb. .45 - .52
powd., cs.....lb. .55 - .60
Culvers root, bbls.....lb. .65 - .75
Cumene, dms., c.l., works.....lb. .12 - —
l.c.l., works.....lb. .14 - —
tanks, works.....lb. .11 - —
Cumin seed, Indian, bgs.....lb. .21 - .21½
Iranian, bgs.....lb. .20 - .20½
Moroccan, bgs.....lb. .21 - .21½
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .06 - —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract..ton.65.45 - —
Cyclohexane, tech., dms., c.l., works. .....lb. .11 - —
l.c.l., works.....lb. .11¾ - —
tanks, works.....lb. .09¼ - —
Cyclohexanol, tech., dms., c.l., works..lb. .37¾ - —
l.c.l., works.....lb. .38¼ - —
tanks, works.....lb. .36¼ - —
Cyclohexanone, tech., dms., c.l., ...lb. .26½ - .30
l.c.l., works.....lb. .27 - .31
tanks, works.....lb. .25 - .29
Cyclohexylamine, dms., c.l., works. .....lb. .41½ - —
l.c.l., works.....lb. .42½ - —
tanks, works.....lb. .40 - —
Cyclopropane, CP, 2 lb. cyls., works, cyl.48.00 - —
6 oz. cyls., works.....cyl.12.00 - —
USP, hospitals, cyls., 40 gal. lots. gal. .38 - —
100-gal. lots.....gal. .37 - —
200-gal. lots.....gal. .36 - —

D

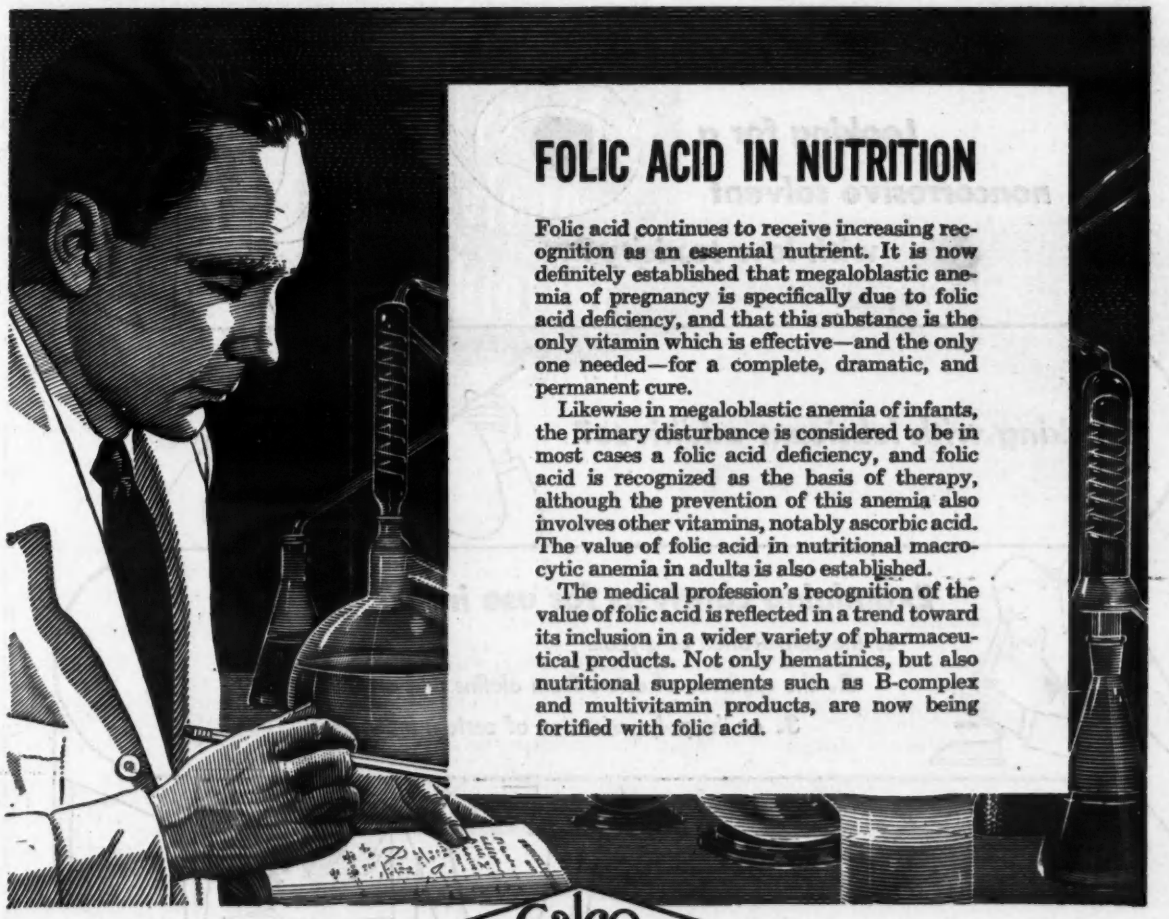
2 4-D bbls., c.l., works frt. equald. .....lb. .61 - —
l.c.l., same basis.....lb. .67 - —
2,4-D isopropyl ester, dms., c.l., works..lb. .67 - —
l.c.l., works.....lb. .72 - .74
Damiana leaves, bls.....lb. .30 - .35
Dandelion root, bls.....lb. .45 - .58
DDD, tech., fine grd. fib. dms., c.l., works..lb. .60 - —
l.c.l., works.....lb. .61 - —
DDT, fiber dms., c.l., works, frt. equald..lb. .44 - .50
smaller lots, same basis..lb. .46 - .51
Decanol, normal, tech., dms., c.l., dlvd..lb. .419 - —
l.c.l., dlvd.....lb. .439 - —
tanks, dlvd.....lb. .394 - —
Deertongue leaves, bls.....lb. .37 - .40
Defluorinated phosphate, 13% P, paper bgs., works..ton.49.25 - —
18½% P, paper bgs., works ton.62.75 -63.75
Rock, 14½% P, paper bgs., works..ton.50.00 - —
Degras, common, bbls.....lb. .13½- .14
Neutral, less 2% ffa, bbls....lb. .21 - .22
over 2% ffa., bbls.....lb. .20 - .21
Derris root, 5% rotenone powd., bbls lb. .32 - .35
Desoxyephedrine hydrochloride, dextro, dms..lb.30.00 -34.00
dextro-laevo, dms.....lb. 7.50 - —
Dextrin, corn, gum, paper bgs., c.l., N.Y..100 lbs. 8.56 - —
l.c.l.....100 lbs. 9.01 - —
canary, paper bgs., c.l..100 lbs. 8.60 - —
l.c.l.....100 lbs. 8.75 - —
dark, paper bgs., c.l....100 lbs. 8.70 - —
l.c.l.....100 lbs. 8.85 - —
white, paper bgs., c.l....100 lbs. 8.44 - —
l.c.l.....100 lbs. 8.59 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs.....lb. .0860- .0910
Dextrose, USP, dms.....lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots.....lb. 5.00 - 5.55
laboratory, grade, bots..100 grams 4.50 - —
tech., bots., works.....lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., c.l., dlvd. E....lb. No prices.
l.c.l., dlvd. E.....lb. No prices.
tanks, dlvd. E.....lb. No prices.
Dianisidin, dms.....lb. 1.90 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast..ton.50.00 -52.00
California.....ton.38.00 -40.00
l.c.l., ex whse.....ton.80.00 - —
purified, bgs., c.l., Atl....ton.62.00 - —
California.....ton.50.00 - —
l.c.l., ex whse.....ton.90.00 - —
Atlantic coast.....ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast..lb. .03 - —
l.c.l., Atlantic coast..lb. .06 - —
Dibenzyl sebacate, dms., c.l., works. .....lb. .75¾- —
l.c.l., works.....lb. .76¾- —
tanks, works.....lb. .74 - —
Dibutyl phthalate, dms., c.l., dlvd..lb. .40¾- —
l.c.l., dlvd.....lb. .41¾- —
tanks, dlvd.....lb. .39 - —
Sebacate, CP, dms., c.l., works. .....lb. .69¼- —
l.c.l., works.....lb. .70¼- —
tech., dms., c.l., works.....lb. .67¼- —
l.c.l., works.....lb. .68¼- —
Tartarate, dms., works, frt. alld..lb. .79 - —
Dibutylamine, dms., c.l., frt. alld..lb. .54¾- —
l.c.l., frt. alld.....lb. .55¾- —
tanks, frt. alld.....lb. .53 - —
Dicapryl phthalate, dms., c.l., dlvd. .....lb. .40¾- —
l.c.l., dlvd.....lb. .41¾- —
tanks, dlvd.....lb. .39 - —
Sebacate, dms., c.l., works.....lb. .63¼- —
l.c.l., works.....lb. .64¼- —
tanks, works.....lb. .61½- —
Dichloroanilin, dms., works.....lb. .75 - .83
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).

Dichloropentanes, dms., c.l., works. .....lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .04 - —
Dichlorophenol, dms., c.l., frt. equald..lb. .27 - —
l.c.l., frt. equald.....lb. .28 - —
Dicyclohexylamine, dms., c.l., works. .....lb. .46 - —
l.c.l., works.....lb. .46¾- —
tanks, works.....lb. .44½- —
Dicyclohexylphthalate, fib. dms., c.l., works..lb. .60 - —
l.c.l., same basis.....lb. .61 - —
Dieldrin, dms., c.l., frt. alld.....lb. 3.06 - —
l.c.l., frt. alld.....lb. 3.50 - —
Diethanolamine, dms., c.l., frt. alld., E..lb. .29¼- —
l.c.l., same basis.....lb. .30¼- —
tanks, same basis.....lb. .27½- —
Diethyl carbonate, dms., c.l., frt. alld..lb. .46¾- —
l.c.l., same basis.....lb. .47¾- —
tanks, same basis.....lb. .45 - —
Maleate, dms., c.l., dlvd.....lb. .50 - —
l.c.l. dlvd.....lb. .51 - —
tanks, dlvd.....lb. .48½- —
Oxalate, dms., c.l., frt. alld....lb. .41¾- —
l.c.l., same basis.....lb. .42¾- —
tanks, same basis.....lb. .40 - —
Phthalate, dms., c.l., dlvd.....lb. .32¾- .33¾
l.c.l., dlvd.....lb. .33¾- .34¾
tanks, dlvd.....lb. .31 - .32
Sulphate, dms., c.l., works.....lb. .17¼- —
l.c.l., works.....lb. .17¾- —
tanks, works.....lb. .15½- —
Dichlorodiphenyldichloroethane (see DDD)
Diethylamine, dms., c.l., frt. alld. E..lb. .62¼- —
l.c.l., same basis.....lb. .63¼- —
tanks, same basis.....lb. .60½- —
Diethylanilin, dms.....lb. .48 - —

Diethylenegiycol, dms. c.l., frt. alld. E..lb. .20¼- —
l.c.l., same basis.....lb. .21¼- —
tanks, same basis.....lb. .18½- —
Boriborate, dms., l.c.l.....lb. .30½- —
Diethylether, dms., c.l., works..lb. .46½- —
l.c.l., works.....lb. .47 - —
Monobutylether, dms., c.l., works. .....lb. .28¾- —
l.c.l., works.....lb. .29¼- —
tanks, works.....lb. .27 - —
Monobutylether acetate, dms., c.l., works..lb. .30 - —
l.c.l., works.....lb. .30½- —
Monoethylether, dms., c.l., works. .....lb. .20¼- —
l.c.l., works.....lb. .20¾- —
tanks, works.....lb. .19 - —
Monoethylether acetate, dms., c.l., works..lb. .26¼- —
l.c.l., works.....lb. .26¾- —
Monomethylether, dms., c.l., works. .....lb. .24¼- —
l.c.l., works.....lb. .25¼- —
tanks, works.....lb. .23½- —
Diethylenetriamine, dms., c.l., works. .....lb. .42 - —
l.c.l., works.....lb. .42½- —
tanks, works.....lb. .40 - —
Diethylefhanolamine, dms., c.l., works, frt. alld..lb. .67½- —
l.c.l., same basis.....lb. .68½- —
tanks, same basis.....lb. .65¾- —
Diethylstilbestrol, USP, bots., 100 kilo lots..kilo.135.00 -160.00
10 kilo lots.....kilo.140.00 -185.00
1 kilo lot.....kilo.150.00 -185.00
Digitalis, leaves, bls.....lb. 1.10 - 1.20
Digitoxin, USP, bots.....gram. 8.30 - 9.60

Cramp Bark, NF—Dimethyl Phthalate

Diglycol, laurate, dms.....lb. .32½- .37
Oleate, dms.....lb. .32 - —
Stearate, dms.....lb. .25 - .27
Dihexyl sebacate, dms., c.l., works. .....lb. .51¾- —
l.c.l., works.....lb. .52¾- —
tanks, works.....lb. .50 - —
Dihydrostreptomycin hydrochloride and sulphate, bulk, 50 kilos or more..gram. .334 - —
unlabeled 1-gram vials, 1 to 500,000 vials..vial. .384 - —
5-gram vials, 1 to 500,000 vials..vial. 1.766 - —
Dihydroxydichlorodiphenylmethane, pure, dms..lb. 2.80 - 3.00
tech., dms.....lb. 1.15 - 1.25
Di-isobutyl ketone, dms., c.l., dlvd lb. .16¾- —
l.c.l., dlvd.....lb. .17¾- —
tanks, dlvd.....lb. .15 - —
Di-isobutylene, dms., c.l., works lb. .09¼ - —
l.c.l., works.....lb. .10 - —
tanks, works.....lb. .07½- —
Di-iso-octyl phthalate, dms., c.l., dlvd..lb. .42¾- .43¾
l.c.l., same basis.....lb. .43¾- .44¾
tanks, same basis.....lb. .40¾- .42
Di-isopropylamine, dms., c.l., works, frt. alld., E. of Miss....lb. .49¾- —
l.c.l., same basis.....lb. .50¾- —
tanks, same basis.....lb. .48 - —
Dilliseed, dewhiskered, bgs.....lb. .12 - .13¼
Dimethyl anthranilate, cns.....lb. 5.50 - 5.90
Chloroacetal, dms., c.l., works..lb. .53 - —
l.c.l., works.....lb. .55 - —
tanks, works.....lb. .51 - —
Hydroquinone, dms.....lb. 2.25 - 2.75
Phthalate, dms., c.l., dlvd.....lb. .29¼- .29¾
l.c.l., dlvd.....lb. .30¼- .30¾
tanks, dlvd.....lb. .27½- .28


FOLIC ACID IN NUTRITION
Folic acid continues to receive increasing recognition as an essential nutrient. It is now definitely established that megaloblastic anemia of pregnancy is specifically due to folic acid deficiency, and that this substance is the only vitamin which is effective—and the only one needed—for a complete, dramatic, and permanent cure.
Likewise in megaloblastic anemia of infants, the primary disturbance is considered to be in most cases a folic acid deficiency, and folic acid is recognized as the basis of therapy, although the prevention of this anemia also involves other vitamins, notably ascorbic acid. The value of folic acid in nutritional macrocytic anemia in adults is also established.
The medical profession's recognition of the value of folic acid is reflected in a trend toward its inclusion in a wider variety of pharmaceutical products. Not only hematinics, but also nutritional supplements such as B-complex and multivitamin products, are now being fortified with folic acid.
Calco

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Sulfadiazine U.S.P.*
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Sulfapyridine N.F.*
Sulfabenzamide*
Sulfaguanidine U.S.P.
Sulfamethazine
Aminoacetic Acid N.F.
Bishydroxycoumarin U.S.P.
Calcium Pantothenate (Dextro)
Choline Chloride
Tri Choline Citrate
Choline Dihydrogen Citrate
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Nicotinamide HCl
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*and sodium salt

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P. O. Box 10, St. Lambert, Montreal 23, P. Q.
Royal Bank Bldg., Toronto, Ontario

Dimethyl Sebacate—Dyes, Coaltar, for Stains, Oil-Soluble

Dimethyl sebacate, dms., c.l., works, lb. .78¾- —
l.c.l., works lb. .79¾- —
tanks, works lb. .77 - —
Sulphate, 55-gal. ret. dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½- —
Dimethylamine, 25-40%, dms., c.l., works, basis 100% lb. .37 - .38
l.c.l., works, basis 100% lb. .37½- .38½
tanks, works, basis, 100% lb. .32 - —
Dimethylanalin, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .25 - —
Dimethylethanolamine, dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd. lb. 1.45 - —
tanks, dlvd. lb. 1.40 - —
Dinitroanilin, dms., frt. equald lb. .57 - —
Dinitrobenzene, crude, dms lb. .20 - —
purified, dms. lb. .22 - —
Dinitrochlorobenzene, dms., c.l., frt. alld. E lb. .15¼- .18
l.c.l., frt. alld. E lb. .15¾- .19
tanks, frt. alld. E lb. .15 - .17
Dinitrophenol, bbls. lb. .34 - —
Dinitrotoluene, oily, dms. lb. .10 - —
refd., dms. lb. .21 - —
Dioctyl adipate, dms., c.l., works lb. .47¾- .48¾
l.c.l., same basis lb. .48¾- .49¾
tanks, same basis lb. .45¾- .47
Phthalate, dms., c.l., frt. alld lb. .41¾- .44¼
l.c.l., frt. alld lb. .42¾- .45¼
tanks, frt. alld lb. .40 - .42½
Diopside, 16 mesh, bgs., works ton.17.00 - —
325 mesh, same basis ton.20.00 - —

Diorthotolylguanidin, dms., ton lots, dlvd. lb. .52 - —
smaller lots, dlvd lb. .53 - —
Dioxan, dms., c.l., frt. alld lb. .26¼- —
l.c.l., same basis lb. .26¾- —
tanks, same basis lb. .24½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., c.l., works, lb. .34 - —
l.c.l., works lb. .37 - —
Dipentene, dest-dist., dms., extra, c.l., works gal. .49 - —
l.c.l. gal. .50 - —
l.c.l., whse gal. .68 - —
steam-dist., dms., c.l., works, south gal. .60 - —
l.c.l., works, South gal. .69 - —
dlvd., N. Y. lb. .83 - —
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns lb. .53 - .91
Phthalate, dms., c.l., works lb. .45 - —
l.c.l., same basis lb. .47 - —
Diphenylamine, refined, gran., bbls., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tankcars, works lb. .25 - —
tech., tankcars, works lb. .24 - —
Diphenylguanidin, dms., ton lots lb. .43 - —
smaller lots lb. .44 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.30 - 5.60
Dipropyleneglycol, dms., c.l., frt. alld lb. .16¾- .17
l.c.l., same basis lb. .17¾- .18
tanks, same basis lb. .15 - —
Methylether, dms., c.l., frt. equald. lb. .19¾- —
l.c.l., same basis lb. .20¾- —
tanks, same basis lb. .18¼- —

Ditertiarybutylmetacresol, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Divi-divi 45% tannin bgs., bls., c.l., U. S. ports, ex dock ton.120.00 - —
Divinylbenzene, 20-25%, dms., c.l., works lb. .20 - —
l.c.l., works lb. .21 - —
tanks, works lb. .19 - —
40-50%, on 100% basis, dms., c.l., works lb. 1.25 - —
l.c.l., works lb. 1.35 - —
tanks, works lb. 1.20 - —
Dodecylbenzene, dms., c.l., works lb. .16 - —
l.c.l., works lb. .17 - —
tanks, works lb. .14¼- —
Doggrass root, dom., cut, bls lb. .26 - .28
imp., NF, cut, bls lb. .28 - .35
Dogwood bark, Jamaica, bls lb. .11 -.13
Dragon's blood, drops, cs lb. .45 - .47
mass., cs lb. .90 - 1.00
reeds, cs lb. 1.60 - 1.65

Dyes, coaltar, certified colors for food drugs and cosmetics, 5-lb. and 1-lb. lots dlvd:—
Blue, FD&C, No. 1, cns lb.17.00 -17.60
No. 2, cns lb.17.00 -17.60
Green, FD&C, No. 1, cns lb.17.00 -17.60
No. 2, cns lb.22.20 -22.85
No. 3, cns lb.35.25 -35.90
Orange, FD&C, No. 1, cns lb. 3.65 - 3.75
No. 2, cns lb. 4.65 - 4.75
Red, FD&C, No. 1, cns lb. 7.55 - 7.85
No. 2, cns lb. 4.00 - 4.10
No. 3, cns lb.22.20 -22.85
No. 4, cns lb. 7.20 - 7.50
No. 32, cns lb. 5.30 - 5.40
Violet, FD&C, No. 1, cns lb.17.00 -17.60

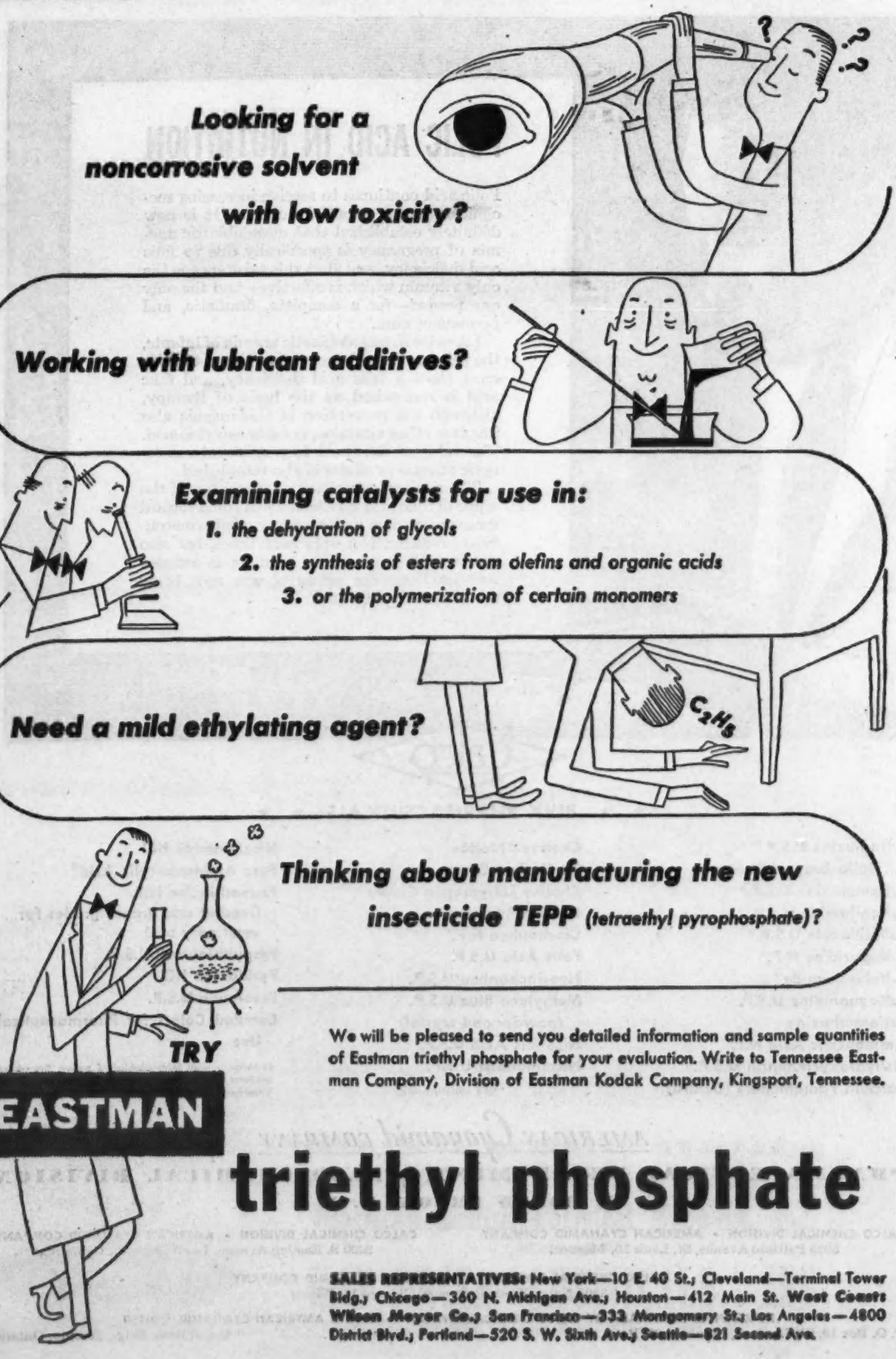
Dyes, coaltar, certified, colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd.:—
Yellow, FD&C, No. 1, cns lb.10.50 -11.05
No. 3, cns lb. 3.30 - 3.40
No. 4, cns lb. 3.30 - 3.40
No. 5, cns lb. 4.00 - 4.10
No. 6, cns lb. 4.00 - 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd.:—
Black, D&C, No. 1, cns lb.10.95 - —
Blue, D&C, No. 4, cns lb.13.55 - —
Brown, D&C, No. 1, cns lb.16.10 - —
Green, D&C, No. 5, cns lb.16.10 - —
No. 6, cns lb.16.10 - —
No. 7, cns lb.14.80 - —
Orange, D&C, No. 3, cns lb.10.95 - —
No. 4, cns lb.20.05 - —
No. 5, cns lb. 5.70 - —
No. 10, cns lb.20.70 - —
Red, DNC, No. 8, cns lb. 3.75 - —
No. 9, cns lb. 3.75 - —
No. 10, cns lb. 3.00 - —
No. 11, cns lb. 2.25 - —
No. 12, cns lb.3.00 - —
No. 17, cns lb.10.95 - —
No. 18, cns lb.24.00 - —
No. 19, cns lb.20.05 - —
No. 21, cns lb. 4.70 - —
No. 22, cns lb.10.95 - —
No. 28, cns lb.24.65 - —
No. 33, cns lb.17.45 - —
Violet, D&C, No. 2, cns lb.16.10 - —
Yellow, D&C, No. 7, cns lb.10.95 - —
No. 8, cns lb.10.95 - —
No. 10, cns lb.13.50 - —
No. 11, cns lb.13.50 - —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—
Blue, Ext., D&C, No. 1, cns lb.16.10 - —
Green, Ext., D&C, No. 1, cns lb.16.10 - —
Red, Ext., D&C, No. 1, cns lb.13.50 - —
Yellow, Ext., D&C, No. 1, cns lb.10.95 - —

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype),
20 Orange AD lb. .64 - —
27 Fast light orange 2G lb. .78 - —
31 Phloxine 2G lb. .64 - —
36 Alizarine yellow 2G lb. .83 - —
40 Orange B extra, conc lb. 1.06 - —
57 Fuchsine 6B lb. .57 - —
79 Scarlet 2R lb. .74 - —
151 Orange Y lb. .47 - —
161 Orange RR lb. .55 - —
176 Fast red A, conc lb. .90 - —
179 Azo rubine XX, conc lb. 1.04 - —
180 Blue F4B lb. .92 - —
185 Brilliant scarlet 3RN, conc lb. .93 - —
202 Chrome blue black, conc lb. .68 - —
203 Chrome black T lb. .71 - —
208 Fast blue SR lb. .91 - —
216 Chrome red B lb. .84 - —
234 Resorcin brown lb. .69 - —
246 Blue black, extra, conc lb. .86 - —
275 Milling red 3R, conc lb. 2.03 - —
289 Navy blue 3R, cone., 125% lb. 1.09 - —
299 Black F, conc lb. 1.40 - —
304 Neutral black 2B, conc., 200% lb. 2.01 - —
326 Fast scarlet 4BNC lb. 1.64 - —
332 Bismarck brown RX, conc. lb. .86 - —
365 Brilliant yellow, conc lb. 2.34 - —
382 Scarlet B lb. 1.65 - —
401 Diazo black, BHD lb. .63 - —
406 Blue 2B, extra, conc lb. 1.07 - —
419 Diamine fast red FC lb. 1.12 - —
420 Diamine brown M lb. .90 - —
448 Benzo purpurine 4B, conc. lb. 1.18 - —
518 Diamine sky blue FF, extra, conc., 150% lb. 2.25 - —
561 Trisulphon brown BCW, conc. lb. 2.03 - —
581 Direct black E, double lb. .89 - —
593 Diamine green BXN, conc. 150% lb. .97 - —
598 Congo brown GG, conc. 150% lb. 1.46 - —
620 Stilbene yellow G, conc lb. .92 - —
639 Xylene light yellow GX lb. 1.79 - —
640 Tartrazine, conc lb. 1.46 - —
655 Auramine, conc lb. 1.85 - —
667 Victoria green sml., cryst. lb. 2.10 - —
662 Brilliant green cryst lb. 2.79 - —
667 Brilliant milling green B, conc. lb. 3.68 - —
671 Brilliant Blue E lb. 1.73 - —
680 Methyl violet S, conc lb. 1.10 - —
681 Crystal violet powder lb. 2.15 - —
698 Formyl violet S4B lb. 1.50 - —
729 Chrome azure blue BR, conc. 200% lb. 3.75 - —
729 Victoria blue B, conc lb. 2.79 - —
730 Green SN, extra lb. 2.41 - —
749 Rhodamine B, extra lb. 4.33 - —
814 Fast yellow NNL, conc. 175% lb. 3.11 - —
841 Safranine T, extra, conc., 125% lb. 2.90 - —
865 Nigrosine WSJ lb. .68 - —
922 Methylene blue ZX lb. 1.55 - —
969 Sulphanthrene blue GR paste, lb. .76 - —
978 Sulphogene carbon HCF grains lb. .32 - —
1034 Alizarin red S, conc lb. 2.59 - —
1054 Anthraquinone blue B lb. 2.91 - —
1078 Anthraquinone green G lb. 2.72 - —
1085 Alizarin blue black B lb. 2.33 - —
1096 Indanthrene golden orange G, single paste lb. 2.00 - —
double paste lb. 4.00 - —
1099 Indanthrene dark blue BO, single paste lb. 1.75 - —
1101 Brilliant green B, double paste lb. 2.56 - —
1106 Indanthrene blue RS, double paste lb. 2.57 - —
1113 Indanthrene blue GCD, double paste lb. 1.75 - —
1150 Indanthrene olive R, single paste lb. 1.10 - —
1151 Indanthrene brown R, single paste lb. 1.68 - —
double paste lb. 3.35 - —
1212 Sulphanthrene red violet 2RN, single paste lb. 1.62 - —
1217 Sulphanthrene orange R, single, paste lb. 1.65 - —
p-4 Acid anthracene brown PGN, lb. 2.31 - —
p-14 Anthracene chromate brown EBN lb. 1.31 - —
p-24 Benzo fast black L, conc., 150% lb. 2.18 - —
p-80 Diazo brilliant scarlet ROA lb. 2.79 - —
p-202 Zambesi black V lb. 1.06 - —
p-313 Naphthol AS-SW lb. 2.42 - —
p-244 Celliton scarlet B lb. 1.31 - —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works.
Black blue No. 550 lb. .81 - —
Jet, No. 551 lb. .80 - —
Brown R, conc lb. 1.72 - —
Orange R, brilliant lb. .90 - —
Red 4 B, conc lb. 1.37 - —
Yellow C lb. 1.18 - —
FN, conc lb. 1.23 - —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Working with lubricant additives?
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2. the synthesis of esters from olefins and organic acids
3. or the polymerization of certain monomers
Need a mild ethylating agent?
C2H5
Thinking about manufacturing the new insecticide TEPP (tetraethyl pyrophosphate)?
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Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms, sellers' works:—
- Auramine, O. lb. 1.85 - —
- Black, basic, blue lb. 1.21 - —
- Jet lb. 1.21 - —
- Blue, methylene, 2 B, conc. lb. 1.55 - —
- Brown, Bismarck, R, conc. lb. .86 - —
- Chrysodine, R, extra lb. .60 - —
- Y, extra lb. .64 - —
- Fuchsine, conc. lb. 3.08 - —
- Green, malachite, conc lb. 2.10 - —
- Rhodamine, B lb. 4.33 - —
- Safranine, Y, conc lb. 2.90 - —
- Violet, methyl, B lb. 1.10 - —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:
- Azo rubine R, extra, conc lb. 1.04 - —
- Black, acid blue, B, extra lb. .86 - —
- Orange, Acid, Y, conc lb. .47 - —
- Scarlet, croceine, MOO lb. 1.45 - —
- Yellow, azo-, conc lb. .90 - —
- Fast light, 3 G, extra lb. 2.04 - —
- Methanil, conc lb. .91 - —

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls lb. .65 Nom.

Egg albumen (see Albumen).

Yolk, dried, dom., bbls lb. 1.35 - 1.36
- Chinese, spot, bbls., duty paid lb. No stocks.
- tanners, bbls lb. .06 - .06½

Elder flowers, bright, bls lb. .30 - .40

Elecampane root, bls lb. .21 - .25

Elm bark grinding, bls lb. .30 - .35
- powd., bbls., bxs lb. .40 - .45
- select, bundles lb. .50 - .55

Emetine hydrochloride, USP, bots., oz. 42.85 - —

Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs oz. .98 - 1.00
- hydrous, bots., 100 ozs oz. .92 - —
- Hydrochloride, tin, 100 ozs oz. .75 - —
- Sulphate cryst., tins, 100 ozs. oz. .72 - —
- powd., tins, 100 ozs oz. .73 - —

Epichlorohydrin, dms., c.l., works lb. .38¾ - —
- l.c.l., works lb. .39½ - —
- tanks, works lb. .37 - —

Epiphrine, synth., USP, bots., 100 grams gram. .50 - .60

Epsom salt, tech., bgs., c.l., works, 100 lbs. 2.15 - —
- l.c.l., works 100 lbs. 2.90 - 3.15

USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
- l.c.l., 5,000 lbs., 1 withdrawal 100 lbs. 3.10 - —
- smaller lots 100 lbs. 3.35 - —

Ergosterol, unirradiated, cryst. kilo 150.00 - —

Ergot, NF, dms., tin-lined lb. 7.50 - 8.00

Esterine, bots. oz. 45.00 -50.00

Salicylate, USP, bots oz. 32.50 -34.00

Sulphate, bots oz. 34.50 -35.50

Ether acetate (see Ethyl acetate).

Butyl, dms., c.l., works lb. .34 - —
- l.c.l., works lb. .34½ - —
- tanks, works lb. .32½ - —

Butyric (see Ethyl butyrate).

Dichloroethyl, purif., dms., frt. equald lb. .17½ - —
- l.c.l., same basis lb. .18 - —
- tanks, same basis lb. .16 - —

technical, dms., c.l., works lb. .16½ - —
- l.c.l., works lb. .17 - —
- tanks, works lb. .15 - —

Ethyl, absolute, ACS, dms lb. .37 - —

anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
- ½-lb. cns lb. .97 - —
- ¼-lb. cns lb. 1.05 - —

solvent, USP, dms., c.l., divd. lb. .21 - —
- l.c.l., same basis lb. .23 - —
- tanks, same basis lb. .19 - —

synthetic, dms., c.l., divd. E lb. .16 - —
- l.c.l., same basis lb. .18 - —
- tanks, same basis lb. .14 - —

Isopropyl, dms., c.l., divd lb. .06¾ - .09¼
- l.c.l., divd lb. .07½ - .10
- tanks, divd lb. .05 - .07½

Nitrous, conc., bots., 100-lb. lots lb. 1.03 - 1.10

Vinyl, USP, anesthesia, bots., 50 cc. hospitals bot. 1.12 - —
- 75 cc. hospitals bot. 1.56 - —

Ethyl acetate, natural, fermentation 85-88%, dms., c.l., frt. alld. lb. .19¾ - .21¾
- l.c.l., frt. alld lb. .20¾ - .22¾
- tanks, frt. alld lb. .18 - .20

95-98%, dms., c.l., frt. alld. lb. .20¼ - .22
- l.c.l., frt. alld lb. .21¼ - .23
- tanks, frt. alld lb. .18½ - .20¼

99%, dms., c.l., frt. alld lb. .20¼ - .22¼
- l.c.l., frt. alld lb. .21¼ - .22¼
- tanks, frt. alld lb. .18½ - .20½

NF, dms., frt. alld lb. .24 - .25

synthetic, 85-90%, dms., c.l., frt. alld. lb. .14¾ - —
- l.c.l., frt. alld lb. .15½ - .15¾
- tanks, frt. alld lb. .13 - —

95-96%, c.l., frt. alld lb. .15 - —
- l.c.l., frt. alld lb. .15¾ - .16
- tanks, frt. alld lb. .13¼ - —

99%, dms., c.l., frt. alld lb. .15¼ - —
- l.c.l., frt. alld lb. .16¼ - —
- tanks, frt. alld lb. .13½ - —

Acetoacetate, dms., c.l., divd lb. .55 - —
- l.c.l., divd lb. .56½ - —

Acrylate, dms., c.l., and truckload, works lb. .49¾ - —
- less than truckload, divd lb. .58¾ - —
- tanks, works lb. .48¾ - —

Aminobenzoate, USP (see Benzocaine).

Benzoate, csn., dms lb. .68 - .73

Bromide, tech., 98%, dms lb. .43 - .47

Butyrate, bots gal. 6.10 - 6.60
- cns., dms., works lb. .80 - 1.02

Carbamate (see Urethane).

Chloride, tech., dms., c.l., works, lb. .18 - .20
- cyls., c.l., same basis lb. .20 - .22
- tanks, same basis lb. .10 - —

USP, bbls., cyls lb. .22 - .24

Cinnamate, cns lb. 2.25 - 2.50

Formate, dms lb. .64 - .73

Gallate, dms., 100 lb. to 2,000 lb. lots, works lb. 3.90 - 4.40

Iodine, bots, works lb. 3.80 - 4.13
- cbys., works lb. 3.00 - —

Lactate, dms., works lb. .44¼ - —

Methacrylate, dms., c.l., and truckload, works lb. .50 - —
- less than truckload, works lb. .50½ - .60

Nitrite (see Ether nitrous).

Oenanthate, dms. lb. 1.00 - 1.50

Oleate, dms., l.c.l., works lb. No prices.

Oxalate (see Diethyl oxalate).

Silicate, dist. (see Tetraethylorthosilicate).

40% available SiO, dms., works, lb. .55 - —

Ethylalphanaphthylamine (see Monoethylalphanaphthylamine).

Ethylaniline (see Monoethylaniline).

Ethylbenzene, dms., c.l. lb. .14 - —
- l.c.l. lb. .15 - —
- tanks lb. .13 - —

Ethylbutyl ketone, dms., c.l., works, lb. .33½ - —
- l.c.l., works lb. .34 - —
- tanks lb. .32 - —

Ethylcellulose, bags, 5,000-lb. lots, works lb. .65 - —
- smaller lots, works lb. .67 - .75

Ethylene dichloride, dms., c.l., works, frt. alld., E. of Rockies lb. .11¾ - .12¾
- l.c.l., works, frt. alld., E. of Rockies lb. .12¾ - .13¾
- tanks, frt. alld., E. of Rockies, lb. .10 - .11

Prices west of Rockies 1c. per lb. higher.

Oxide, cyls., c.l., frt. equald lb. .26¼ - —
- l.c.l., frt. equald lb. .27¼ - —
- tanks, frt. dlvd lb. .19 - —

Trichloride (see Trichloroethane).

Ethylenediamine, dms., c.l., works lb. .48 - —
- l.c.l., works lb. .48½ - —
- tanks, works lb. .46 - —

Ethyleneglycol, dms., c.l., frt. alld. E lb. .18¾ - —
- l.c.l., same basis lb. .19¾ - —
- tanks, same basis lb. .17 - —

Diethylether, dms., l.c.l., works, lb. .55 - —

Monobutylether, dms., c.l., works, lb. .22¾ - —
- l.c.l., works lb. .24¼ - —
- tanks, works lb. .22 - —

Monoethylether, dms., c.l., works, lb. .20¼ - —
- l.c.l., works lb. .20¾ - —
- tanks, works lb. .19 - —

Monoethylether acetate, dms., c.l., works lb. .19¾ - —
- l.c.l., works lb. .20¼ - —
- tanks, works lb. .18 - —

Monomethylether, dms., c.l., works lb. .22 - —
- l.c.l., works lb. .22½ - —
- tanks, works lb. .21 - —

Monomethylether acetate, dms., c.l., works lb. .28¾ - —
- l.c.l., works lb. .29¼ - —
- tanks, works lb. .27 - —

Monostearate, dms. lb. .35 - .42½

Dyes, Coaltar, for Stains, Spirit-Soluble—Formaldehyde, USP, Inhibited

Ethylethanolamines, mixed, dms., c.l., frt. alld., E. Miss. lb. .42 - —
- l.c.l., same basis lb. .43 - —
- tanks, same basis lb. .40 - —

Ethylmorphine hydrochloride, USP, bots. oz. 11.85 - —

Ethylorthotoluidine (see Monoethylorthotoluidin).

Ethylvanillin, cns., 25 lbs. lb. 7.30 - —
- smaller lots lb. 7.35 - 7.40

Eucafyptol, USP, cns., dms lb. 2.35 - 3.10

Eucalyptus leaves, bls lb. .10 - .11

Eugenol, pure, USP, cns lb. 3.45 - 4.15

Euphorbia, herb, bls lb. .12 - .14

F

Feldspar enamel, 100 mesh, bgs., works ton. 20.00 -22.00

Glass, 20 mesh, bulk, tons, works, ton. 11.75 -12.50

Pottery, bgs., ton lots, works ton. 20.00 -22.00

bulk, c.l., works ton. 18.00 -20.00

Fennel seed, Czech, dark, bgs. lb. .13½ - .14
- French bgs lb. No stocks.
- Indian, bgs lb. .22 - .22½
- Syrian, bgs lb. .23 - .24

Fenugreek seed, Indian, bgs lb. .11 - .11½
- Moroccan, bgs lb. .05¾ - .06
- Tunisian, bgs lb. .06½ - .07

Ferric-ammonium citrate (see Iron ammonium citrate).

Ferric cacodylate (see Iron cacodylate).

Ferric glycerophosphate (see Iron-glycerophosphate).

Ferric hypophosphite (see Iron hypophosphite).

Ferric sulphate (see Iron sulphate-ferric).

Ferrous gluconate, NF, dms lb. .83 - .95

Film scrap, colored, cs., works lb. .15 - —
- water-white, cs., works lb. .20 - —

Fir balsam, Canada, cns gal. 32.00 - —
- Oregon, bbls gal. 2.35 - 3.25

Fishberries, bgs lb. .17 - .21

Fishliver oil (see Oil, fishliver).

Fishmeal ground 60% protein, bgs., Balto area ton. 135.60 - —

Fishscrap, dried 60% protein, bulk, Balto area ton. 130.00 - —

Fluorspar, acid grade, bulk, c.l., mine ton. 60.00 - —

ceramic grade, 95-98% CaF_2, grd., bulk, mine, c.l. ton. 47.00 Nom.

85% CaF_2, grd., bulk, mine ton. 41.50 Nom.

metallurgical grade, foundry, lump, 55-60% effective CaF_2, bulk, mine, c.l., ton. 38.00 Nom.

washed gravel, 59-60% effective CaF_2, bulk, mine, c.l. ton. 38.00 Nom.

60-65% effective CaF_2, bulk, mine ton. 39.00 - —

65-70% effective CaF_2, bulk, mine, c.l ton. 40.00 Nom.

70% or better effective CaF_2, bulk, mine, c.l ton. 41.60 Nom.

imported, bulk, ex dock, New York ton. 37.00 Nom.

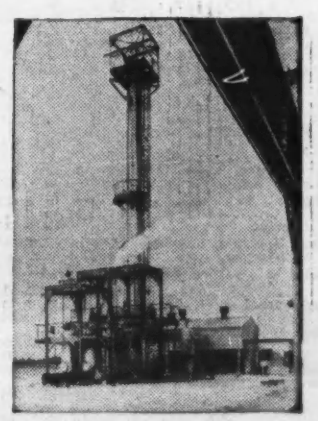
Formaldehyde, NF, (inhibited), dms., c.l., E. works lb. .0625- .0675
- l.c.l., E. works lb. .0675- .0725
- tanks, E. works lb. .0420- .045

Jefferson Ethylene Dichloride

a widely useful solvent, extractant, chemical intermediate

Best known as a solvent with an unusually wide range of applications, high-purity Jefferson Ethylene Dichloride is also a versatile and safe extractant for edible oils, essential aromatic oils and drug principles. It is an important ingredient in fumigants, insecticides, cleansing agents, rubber cements and mastics, and is a valuable chemical intermediate.

From Jefferson's production facilities, Ethylene Dichloride is available in tank cars and 55 gallon drums. For your preliminary investigations, we will be glad to supply samples. Please make requests on your company letterhead.



Ethylene dichloride fractionating tower and purification unit at Jefferson plant, Port Neches, Texas

Jefferson Chemical Company, Inc.

711 FIFTH AVENUE, NEW YORK 22, N. Y.

ESSENTIAL CHEMICALS FROM HYDROCARBON SOURCES

ETHYLENE OXIDE
DIETHYLENE GLYCOL
ETHYLENE DICHLORIDE
ETHYLENE GLYCOL

Formaldehyde, Methanol Free—Lead Salicylate

Formaldehyde, methanol-free (uninhibited), tanks, works lb. .0395- .0425

Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna. and part of Delaware. In states other than Eastern Seaboard as well as W. of Rockies, prices f.o.b. Texas plants, are .0270 for inhibited and .0245 for uninhibited.

Fleaseed (see Psyllium seed)
Fringetree bark, bls ..... lb. .55 - .62
Fuller's earth, dom. powd., bgs, c.l.,
Fla., Ga., mines ton.38.50 - —
Illinois mines ..... ton.37.20 - —
spent, bulk Bayonne ton 2.00 4.00
imported, bgs c.l ton.30.00 -40.00
Furfural, tech., dms., c.l., works.lb. .13 - —
l.c.l., works ..... lb. .15 - —
tanks, works ..... lb. .10½- —
Fusel oil, refined dms., c.l., dlvd.lb. .28¾- .29¾
l.c.l. dlvd. ..... lb. .29¾- .30¾
tanks, dlvd. ..... lb. .27 - .28
Fustic extract cryst., No. 1, bbls., l.c.l lb. .47½- —
No. 2, bbls., l.c.l ..... lb. .45½- —
No. 3, bbls., l.c.l. ..... lb. .43½- —
liquid No. 1, bbls., l.c.l. .... lb. .22½- —
No. 2, bbls., l.c.l. ..... lb. .21½- —
No. 3, bbls., l.c.l. ..... lb. .19 - —
solid, No. 1, bxs., l.c.l. ..... lb. .45 - —

G

G salt, bbls., frt. alld ..... lb. .73 - —
Galangal root, bls ..... lb. .18 - .25
Gammapicoline 95% dms., c.l., works lb. 1.00 - 1.05
Gasoline, at refinery, ex tax, Arkansas 80 octane tanks, gal. .1073- —
N. Y. Harbor 86 octane, tanks, gal. .1285- .136
Group 3, 82 octane tanks gal. .10375- .107
Gulf coast, 82 octane tanks gal. .103 - .11
Pennsylvania, western U. S. motor 88 octane tanks, gal. .1275- .13
natural 36-70 octane group 3, tanks gal. .06875- —
Gelatin, silver label, imported, cs lb 1.25 - —
Gelsenium root, bls ..... lb. .25 - .26
Gentian root, bls ..... lb. .18 - .22
grd., bbls., bxs ..... lb. .22 - .26
powd., bbls., bxs ..... lb. .23 - .27
Geraniol, extra, cns., dms ..... lb. 2.50 - 2.55
standards, cns., dms ..... lb. 1.40 - 2.60
Geranyl acetate, cns ..... lb. 2.50 - 2.55
Ginger oleoresin NF from African root, bots lb. 7.00 - 8.50
root, African, bls ..... lb. .30 - .31
Cochin, unbleached, bgs ..... lb. .44 - .45
Jamaica, No. 1, bgs ..... lb. .62 - .63
No. 2, bgs ..... lb. .61 - .62
No. 3, bgs ..... lb. .59 - .60
Rhatton, bgs ..... lb. .59 Nom.
Nigerian, split, bgs ..... lb. .29 - .30
Ginseng root cs ..... lb 13.00 -16.00
Glauber's salt, anhyd (see Sodium sulphate).
cryst., bgs., c.l., works, frt. alld. ton.45.00 - —
" l.c.l., works ..... ton.50.00 - —
Glue, bone calcium type 24 millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .23 - —
65 jellygrams, bgs., c.l., same basis lb. .24 - —
80 jellygrams, bgs., c.l., same basis lb. .26 - —
110 jellygrams, bgs., c.l., same basis lb. .27 - —
130 jellygrams, bgs., c.l. same basis lb. .28 - —
over 150 jellygrams bgs., c.l., same basis lb. .29 - —

Bone glue, l.c.l. 1c per lb higher than c.l.

ground, 50-55 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .23½- —
l.c.l., dlvd lb. .26½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .28 - .32
122-149, bgs., c.l., dlvd ..... lb. .29 - .34
150-177, bgs., c.l., dlvd ..... lb. .30 - .35
178-206, bgs., c.l., dlvd ..... lb. .31 - .37
207-236, bgs., c.l., dlvd ..... lb. .32 - .38
237-266, bgs., c.l., dlvd ..... lb. .33 - .39
267-296, bgs., c.l., dlvd ..... lb. .34 - .40
298-330, bgs., c.l., dlvd ..... lb. .35 - .41
331-362, bgs., c.l., dlvd ..... lb. .36 - .41
363-394, bgs., c.l., dlvd ..... lb. .37 - .43
395-427, bgs., c.l., dlvd ..... lb. .38 - .43
428-460, bgs., c.l., dlvd ..... lb. .39 - .44½
461-494, bgs., c.l., dlvd ..... lb. .40 - .46
495-529, bgs., c.l., dlvd ..... lb. .41 - .47

Hide glue, l.c.l. prices 1c to 2c higher than c.l. bbls ½c more than bgs

Glycerin, crude, saponification 80%, to refiners, tanks, dlvd ..lb. .40¾- —
soaplye, 80%, tanks, dlvd ....lb. .37 - —
dynamite, dms., c.l., dlvd .... lb. .54 - .54½
l.c.l., dlvd ..... lb. .54½- .54¾
tanks, dlvd ..... lb. .53½- .53¾
high gravity, dms., c.l., dlvd ... lb. .54¼- —
l.c.l., dlvd ..... lb. .54¾- —
tanks, dlvd ..... lb. .53¾- —
refined, BP, 98%, dms., c.l., dlvd lb. .55½- —
l.c.l., dlvd ..... lb. .56 - —
tanks, dlvd ..... lb. .55 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .54¾- —
l.c.l., dlvd ..... lb. .55¼- —
tanks, dlvd ..... lb. .54¼- —
yellow, distilled, dms., c.l., dlvd. lb. .54½- —
l.c.l., dlvd ..... lb. .54¾- —
tanks, dlvd ..... lb. .53½- —
Glycine, USP, see Acid aminoacetic
Glyoxal, 30% dms., c.l., works lb .18½- —
l.c.l., works ..... lb. .19 - —
tanks, works ..... lb. .18 - —
Gold chloride, acid brown bots oz.23.50 -24.00
acid-yellow, bots ..... oz.21.00 -21.50
Gold of pleasure seed bgs, futures lb. .13 .13½
Goldenseal root, bls ..... lb. 3.50 - 4.00
powd., bxs ..... lb. 3.90 - 4.25
Gold-sodium chloride, photo, bots. oz.13.00 -14.00
USP IX, bots ..... oz.14.50 -15.50
Grains of paradise, bgs ..... lb. .32½- .33
Graphite, amorph., powd., bgs, fib. dms., ex whse lb. .06 - .095
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .315
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½
flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
Grease, brown, loose, dlvd ..... lb. .05 - —
house ..... lb. .05¾- —
white, choice ..... lb. .07¾- —
yellow ..... lb. .06¼- —
Green, brilliant, thioflavin, toner, molybdated, PMA, kgs., works lb. 4.50 - —
tungstated, PTMA, kgs., works lb. 5.75 - —
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..lb. .38 - —
6-10%, bbls., same basis lb. .39 - —
11-15%, bbls., same basis lb. .40 - —
16-20%, bbls., same basis lb. .40½- —
21-25%, bbls., same basis lb. .41¼- —
26-30%, bbls., same basis lb. .41¾- —
31-35%, bbls., same basis lb. .42¾- —
36-40%, bbls., same basis lb. .44½- —
41-45%, bbls., same basis lb. .46 - —
46-50%, bbls., same basis lb. .47¾- —
50% and over, bbls. same basis lb. .48¾- —
reduced color, 25%, bbls., same basis lb. .17 - .17¼

Chromium green prices are 2c higher dlvd. Ala., Fla., Ga. La (Shreveport, 1½c.); Miss., N. C., S. C., Tenn. Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines Kansas City, Lincoln, Omaha St. Joseph; 1c higher dlvd Pac. coast; for Denver Pueblo Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, l.c.l., bbls., dms., frt. alld lb. .95 - 1.20
pure, c.l., bgs. frt. alld .. lb. .37½- .44
Dyes (see Dyes, coaltar).
Emerald, malachite toner, tungstic, PTMA, bbls., works lb. 4.50 - 5.50
Marine toner, thioflavin malachite, molybdated, PMA, bbls., works lb. 4.25 - —
tungstated PTMA kgs lb. 5.00 - —
Paris (see P).
Phthalocyanin toner, bbls., works. lb. 4.40 - —
resinated ..... lb. 4.00 - —
water dispersable ..... lb. 1.71 - —
Pigment B, kegs ..... lb 1.35 - —
Grindelia robusta herb, bls ..... lb. .28 - .30
Guaiac resin, NF cs ..... lb .55 - .60
ordinary, cs ..... lb. .49 - .51
Guaiacol, cryst tins ..... lb 1.90 —
Liquid, NF bots, cbys ..... lb 2.15 - 2.20
Guaiacol carbonate, dms ..... lb 3.15 - 3.20
Guarana, powd. cs ..... lb 1.50 - 1.75
Gum accroides (see Gum yacca)
Aloe (see A.).
Ammoniac tears, cs ..... lb. .35 - .45
Arabic, amber sorts, bgs ..... lb. .16½- .17
powdered, USP, bbls ..... lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Sumatra, cs ..... lb. .43 - .45
Camphor (see C).
Cellulose, bgs 23,000 lbs or more works, frt alld lb .60 - —
smaller lots, same basis lb. .62 - —
Copal, Congo, No. 1 bgs ..... lb. .25 - .27
No. 2, bgs ..... lb. .20 - .22
No. 3, bgs ..... lb. .17½ .19½
Manila, loba B, bgs ..... lb. No prices.
C, bgs ..... lb. .32 - .33
CBB, bgs ..... lb. .27 - .28
CNE, bgs. ..... lb No prices.
DBB, bgs ..... lb. .27 - .28
DK, bgs ..... lb. .22 - .24
dust, bgs ..... lb. 12½- 13½
soft, MA, bgs ..... lb. .25 - .26
WS, bgs ..... lb No prices.
Philippine, pale, chips, bgs ... lb. .27 - .28
nubs, bgs ..... lb. .32 - .33
seeds, bgs ..... lb. .20 - .21
sorts, bgs ..... lb. .24 - .25
Pontianak, chips, bgs ..... lb. .26 - .27
nubs, bgs ..... lb. .40 - .41
Dammar, Batavia, A/E, bgs .. lb. .23 - .25
dust, bgs. ..... lb. .08 - .10
E, bgs. ..... lb. .14 - .15
East India, bales, bold, bgs lb. 13½- .14½
nubs and chips bgs lb. .08 - .10
black, bold, bgs ..... lb. 13½- .14½
unscraped bgs. ..... lb. .11 - .12
nubs and chips bgs ..... lb. .10 - .11
pale, chips, bgs ..... lb. .14 - .16
nubs, bgs ..... lb. .23 - .26
Singapore, No. 1, bgs ..... lb. .34 - .36
No. 2, bgs ..... lb. .23 - .25
No. 3, bgs ..... lb. .09½- .11
dust, bgs ..... lb. .09½- .11
seeds, bgs. ..... lb. .12½- 13½
Elemi, cns ..... lb. .24 - .36
Ester, gum-resin type, dms., c.l., dlvd. fl., Ind., Ky., Mich., Mid-Atl. States, N.E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17½- —
wood-resin type, dms c.l. dlvd, Ill., Ind., etc lb. .17½- —
Euphorbium, cs ..... lb. .20 - .35
Galbanum, cs ..... lb. .75 - .80
Gamboge, pipe, cs ..... lb. .70 - 1.00
powd., bbls ..... lb. .90 - 1.20
Ghatti, No 2, bgs ..... lb 25 - 27
No 3, bgs ..... lb 31 - 33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1, bbls .... lb. .40 - .41
No. 2, bbls ..... lb. .32 - .33
No. 3, bbls ..... lb. .23 - .24
Kauri, bgs. ..... lb. 31½- .32¼
Kino, cs ..... lb. 1.15 - 2.40
Locust bean, powd., bgs ..... lb. .32 - .39
Mastic, cs ..... lb. 1.55 - 2.10
Myrrh, cs ..... lb. .30 - .35
Olibanum, siftings, cs ..... lb. .16 - .18
tears, cs. ..... lb. .20 - .30
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cns ..... lb. No stocks.
Scammony, cs ..... lb. 1.50 - 1.55
Sterculia (see Gum karaya).
Talha, bgs ..... lb 10 11
Tragacanth, No. 1, cs ..... lb. 3.80 - 4.10
No. 2, cs ..... lb. 3.50 - 4.00
No. 3, cs ..... lb. 2.75 3.50
powdered, USP, bbls ..... lb 1.25 1.35
Yacca, bgs ..... lb. .06 - —
Gypsum, anhydrous filler, paper bgs., c.l., medicine Lodge, Kan. ton.19.00 - —
Plaster of paris, paper bgs., c.l., Baltimore frt. equald. ton.18.30 - —
Harlem river, N. Y., frt. equald ton.17.30 - —
Medicine Lodge, Kan., frt. equald ton.16.00 - —
Stucco, paper bgs., c.l., Akron, N. Y., frt. equald ton. 8.00 - —
Blue Rapids, Kans., frt. equald ton. 8.00 - —
Fort Dodge, Iowa frt. equald. ton. 8.00 - —
Gypsum, Ohio, frt. equald. ton. 8.00 - —
Grand Rapids, Mich., frt. equald ton. 8.00 - —
Gypsum, stucco, paper bgs., c.l., New Brighton, N. Y., frt. equald ton. 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Roton, Texas, frt. equald. ton. 8.00 - —
Southard, Okla., frt. equald. ton. 8.00 - —
Sweetwater, Texas, frt. equald ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., Baltimore ton.14.40 - —
Harlem River, N. Y. ton.14.40 - —
English, paper bgs., ex dock. ton.42.00 - —
ex warehouse ..... ton.53.00 -56.00
small quantities ..... lb. .04 - —

H

Hawthorn berries, bgs ..... lb. .30 - .32
Heliotropine, cryst., cns ..... lb. 3.40 - 3.65
Helonias root, bls ..... lb. 1.65 - 1.75
Hellebore root, dom., green, bls .lb. .60 - .65
imp., black, whole bls ..... lb. .25 - .30
ground, bxs ..... lb. .30 - .35
powder, bxs ..... lb. .32 - .37
white, whole, bls ..... lb. .25 - .30
powder bxs ..... lb. .35 - .45
Hematine, extract, cryst., No. 1, bbls., l.c.l lb. .47 - —
No. 2, bbls. l.c.l ..... lb. .43 - —
No. 3, bbls. l.c.l. ..... lb. .41 - —
No. 4, bbls. l.c.l. ..... lb. .39 - —
No. 5, bbls., l.c.l. ..... lb. .37 - —
paste No. 1, bbls., l.c.l. .... lb. .20½- —
Henbane leaves, bls ..... lb. .32 - .35
Henna leaves, bls ..... lb. .23 - .25
powd., bbls, bgs ..... lb. .23 - .29
Heptane, industrial, Bayonne, N. J., tanks gal. .18 - —
group 3, tanks ..... gal. .1375- .1405
Hesperidine methylchalcone, bots., works lb.50.00 - —
Hexachlorophene, dms ..... lb. 2.60 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bgs., c.l. Perth Amboy or N Y C. lb. .24 - —
l.c.l., same basis ..... lb. .26 - —
bbls., c.l., same basis ..... lb. .24½- —
l.c.l., same basis ..... lb. .26½- —
USP dms 500 lbs or more, same basis lb. .40½- —
smaller lots, same basis lb .41½- —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, Bayonne, N. J., tanks gal. .18 - —
Group 3, tanks ..... gal. .145 - .148
Hexanol normal, dms., c.l., works lb. .32½- —
l.c.l. works ..... lb. .33 - —
tanks, works ..... lb. .31 - —
Hexyl cinnamic aldehyde, dms lb. 2.25 - —
Salicylate, dms ..... lb. 1.75 - —
Hexylenegiycol, dms., c.l., dlvd lb. .15¾- —
l.c.l., dlvd. ..... lb. .16½- —
tanks, dlvd. ..... lb. .14 - —
Hexylmethacryiate, normal, dms., less than truckload works. lb 71 - —
Hexylresorcinol, USP, dms. 50 lbs. up, frt. alld ..... lb.17.00 —
works ..... lb.16.00 -17.00
smaller lots, frt. alld ..... lb 18.00 —
works lb.18.00 -20.00
Histamine diphosphate, USP, bots., kilo.450.00 - —
Histidine hydrochloride-laevo, NF, 5lb. dms., 50 kilo. lots, works kilo.100.00 -120.00
1-5 kilos, works ..... kilo.110.00 -130.00
Homatropine hydrobromide, USP, bots oz.13.75 -13.85
Hydrochloride, bots ..... oz.20.00 -22.00
Methylbromide, USP, bots ..... oz.13.00 -16.25
Hoof meal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.25 - —
Hops, NF, bls ..... lb. .30 - .35
Horehound herb, bls ..... lb. .14 - .15
Hydrangea root, bls ..... lb. .22 - .25
Hydrastine, bots ..... oz.31.00 -32.50
Hydrochloride, NF, bots ..... oz.29.50 -36.00
Sulphate, bots ..... oz.35.00 -37.00
Hydrastinine, 10-grain bots ... bot 1.95 - —
Hydrastis (see Goldenseal).
Hydrofluorsilicic, dms, 6lb. cans, works lb .30 - .40
Hydrogen chloride, anhyd., 50-lb. cyl., works lb. .55 - .60
Peroxide, USP bbls., dlvd lb. .03¾- .05
35%, cbys., same basis ..... lb. .217 - .242
dms., c.l., same basis ..... lb. .21 - —
l.c.l., same basis ..... lb. .215 - .24
tanks ..... lb. .203 - —

Hydrogen peroxide prices on W. Coast, 2c. per lb. higher.

Hydroquinone, photographic grade, bbls., dms. lb. .98 - 1.00
tech., dms., frt. equald ..... lb. .76 - .84
Hydroxycitronellal, cns ..... lb. 7.90 - 8.40
Hyoscin salts (see Scopolamine).
Hyoscyamine, bots ..... oz.15.75 -16.00
Hydrobromide, bots. ..... oz.16.50 -18.00
Sulphate, bots ..... oz.13.50 -15.00
Hypernic extract cryst., No. 2, bbls., l.c.l lb. .53 - —
liquid, No. 1, bbls., l.c.l ..... lb. .35 - —
No. 2, bbls., l.c.l ..... lb. .27 - —
Hyssop herb, bgs ..... lb .35 - .44
Leaves, bgs ..... lb. .30 - .35

I

Iceland moss, bgs ..... lb. .30 - .35
Ichthammol, NF dms ..... lb. .60 - .75
Indian red (see Red Indian).
Indigo, nat., chests ..... lb 2.14 2.16
synth., paste, 20%, bbls ..... lb .26 - .28½
Indol, CP, bots ..... lb.17.00 -21.00
Inositol dms, dlvd ..... lb 4.90 —
tins, dlvd ..... lb 5.00 - —
Insect flowers (see Pyrethrum)
Iodine, crude, kgs ..... lb. 1.84 - 2.04
resubl USP bots, jars ..... lb 2.55 2.78
Iodochlorohydroxyquinolin NF dms lb 6.50 —
Iodoform, NF, dms, kgs ..... lb 4.70 4.85
Ionone, alpha, cans ..... lb. 8.15 -11.50
Beta, cans ..... lb. 7.65 -17.50
Methyl, dms., cns ..... lb. 7.00 -10.65
Ipecac root, bgs ..... lb. 6.75 - 7.00
powd., bbls., bxs ..... lb. 7.00 - 7.25
Irish moss, bleached, prime, bls lb. .25 - .30
Iron acetate liquor 26 bbls, c.l., works lb .09 —
l.c.l., works ..... lb .09¼- —
solut., USP IX, chys ..... lb .16 - —
dms ..... lb .17 —
Cacodylate, NFA, bots ..... lb.12.50 -14.50
Chloride (ferric), anhydr., tech., dms, c.l. works 100 lbs 6.25 —
l.c.l., works 100 lbs 7.50 - —
cryst., tech., c.l., bbls., works. 100 lbs 5.25 - 6.25
l.c.l., bbls., works 100 lbs 5.75 - 6.25
USP, dms., works ..... lb 07½- .09
solut. 42° Be 100% basis tanks works 100 lbs 3.45 —
Citrate gran dms ..... lb. .77 - .80
Gluconate, NF (see Ferrous Gluconate, NF).
Glycerophosphate, N.F., powd lb. 4.45 - 4.55
Iron hypophosphite, NF, dms... lb. 2.80 - —
Iodide, bgs ..... lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .24½- —
Oxalate, gran., dms ..... lb. .53 - .55
Phosphate, soluble, NF, gran., pearls, cs lb. .64 - .65
Pyrophosphate soluble, NF VII, gran., pearls, dms. lb. .78 - .91
Reduced, NF, kgs ..... lb. .90 - .95
Resinate 7 4% Fe. dms., frt. alld. lb. .26½- —
Stearate, dms., c.l. ..... lb. .41 - —
ton lots ..... lb. .42 - —
less ton lots ..... lb. .43 - —
Sulphate, partially hydrated, bgs., c.l., works ton.30.00 - —
l.c.l., works ..... ton.31.00 - —
ferrous, tech (see Copperas)
USP, cryst., bbls., dms ..... lb. .09½- .10
Iron by hydrogen (see Iron, Reduced).
Iron-ammonium citrate green, NF, gran., dms lb. .55 - .58
brown, USP gran., dms lb. .55 - .58
Oxalate dms ..... lb. .25½- .28¼
Iron-potassium, oxalate, fine gran. dms lb. .30½- .33½
Iron-sodium, oxalate, fine gran. dms lb. .25½- .28½
Isoborneol, cns. ..... lb. 1.25 - 1.70
Isobornyl acetate, cns ..... lb. .70 - .97
Propionate, dms ..... lb. 1.15 - 1.50
Isobutyl acetate, cns ..... lb. .75 - .97
Methacrylate dms, works ... lb .60 - —
Isobutyraldehyde dms, works lb .50 - .53
Isoeugenol, cns. ..... lb. 4.50 - 4.75
Isopentane, dms., works ..... lb. .43 - .55
Isophorone, dms., c.l., works.... lb. .25½- —
l.c.l., works ..... lb. .26½- —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., c.l., frt. alld lb. .14½- .14¾
l.c.l., same basis ..... lb. .15 - .15½
tanks, same basis ..... lb. .12½- .13
Alcohol (see Alcohol, isopropyl)
Benzene (see Cumene)
Ether (see Ether, isopropyl).
Isopropylamine (see Monoisopropylamine).
Isoquinoline, dms., works ..... lb. .65 - 1.25

J

Jaborandi leaves, bls ..... lb. .15 - .20
Jalap root NF, bls ..... lb .43 .45
powd., bbls, bxs ..... lb .48 .50
Juniper berries, bgs ..... lb. .06 - .15
Tar, NF, dms ..... lb. .42 - .65

K

Kamala, powd., cns ..... lb. .75 - .80
Kaolin (see also Clay, China).
NF, fiber dms ..... lb. .08 - .16½
colloidal, fiber dms ..... lb. .15 - .15½
Kava Kava root, bls ..... lb. .28 - .30
Kerosene, at refinery, Ark., 42-44 specific gravity w w tanks, gal. .09375- —
California, 40-43 s.g., w.w., tanks gal. .126 - .13
Gulf ports, 41-43 s.g., w.w., tanks gal. .09 - .0925
N. Y. Harbor, 44-43 s.g. w.w., tanks gal. .101 - —
Okla., Tex. 41-43 s.g. w w. tanks gal. .0925- .09625
Penn., Western 45 s.g., w w., tanks gal. .11 - —
Kola nuts, bgs ..... lb. .08 - .09
Kyanite, imp., 60% alumina, low iron content, 10 mesh, bulk, whse ton.95.00 -100.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

Lady's slipper root, bls ..... lb. 1.40 - 1.50
Lanolin, USP, dms., works ..... lb. .34 - .38
Anhydrous, cosmetic, dms., works lb. .36 .40
Lard, cash, trcs., Chicago ..... lb. .1525 Nom.
Larkspur seed, bgs ..... lb .20 .25
Laurel berries, bgs ..... lb. .25 - .28
Leaves, Greek, bls ..... lb. .11½- .12
Portuguese, bls. ..... lb. .10 - .10¼
Turkish, bls ..... lb. .11½- .12
USP, dms., works ..... lb. .35 - .39
Lauryl chloride dms., works, frt. equald lb. .75 - —
Methacryiate, normal, dms., less than truckload, works lb. 1.00 - —
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls. ..... lb. .16 - .20
select, bls ..... lb. .70 - .80
Lead acetate white crystals, bbls., lb. .24 - —
gran., bbls ..... lb. .25 - —
powd., bbls ..... lb. .25 - —
NF, cryst., dms ..... lb. .32 - .33
gran., powd., dms ..... lb. .32 - .33
Arsenate, dealers, acid powder, 3-lb. bgs., or larger, c.l., frt. alld. on 96 lbs. or over ..... lb. .30 - —
l.c.l., frt. alld ..... lb. .31 - —
1-lb. bgs., c.l. ..... lb. .43 - —
l.c.l. ..... lb. .44 - —
Blue, basic sulphate, bbls., c.l., ship't point, frt. alld. lb. .1919- —
l.c.l., works ..... lb. .2019- —
Carbonate (see Lead, white).
Chloride dms ..... lb. .39 - —
Iodide, NF V, jars ..... lb. 3.23 - —
Linoleate, precip., 26.15%, dms.lb. .35 - —
Metal, pigs, prime, N.Y. ..... lb. .19 - —
St. Louis ..... lb. .1850 - —
Metallic paste, dms., 20,000-40,000 lbs., works.. lb. .36½- —
10,000-20,000 lbs. same basis. lb. .37 - —
2,000-10,000 lbs., same basis.lb. .37½- —
200 to 2,000 lbs., same basis. lb. .38 - —

Prices ex whse., Jersey City, N. J 4½c. per pound higher.

Naphthenate, liquid, 16% Pb, dms., dlvd. ..lb. .18 - —
24% Pb, dms., dlvd ..... lb. .24¾- —
37% Pb, dms., dlvd ..... lb. .32½- —
Nitrate, bbls., c.l ..... lb. .24½- —
l.c.l. ..... lb. .24¾- —
Oleate, fused, bbls ..... lb. .24 - —
Orthosilicate gel, 50% PbO, dms., works ..... lb. .32¾- —
80% PbO, dms., works ..... lb. .31¾- —
Peroxide powd. tech. bbls lb. .41 .43
Phthalate, dibasic, dms., works. lb. .42¼- —
Red, 95% Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .2155- .2157
l.c.l., same basis ..... lb. .2255- .2257
97%, PB_3O_4, bbls., c.l., same basis lb. .2182- —
l.c.l., same basis ..... lb. .2282- —
95% Pb_3O_4, bbls., c.l., same basis lb. .2207- —
l.c.l., same basis ..... lb. .2307- —
Resinate, precip., dms., dlvd lb. .28½- —
Salicylate, normal, dms., works lb. .42½- —

FOR QUALITY *and* QUANTITY...

SCHERING

World's largest manufacturer

of steroid hormones

Years of leadership in steroid hormone chemistry assure you of superior products in any amount you need. Our research and manufacture are allied to give you purity and uniformity and an always dependable source of supply.

HORMONES

Estrone U.S.P.
Estradiol U.S.P.
Estradiol Benzoate U.S.P.
Ethinyl Estradiol
Testosterone U.S.P.
Testosterone Propionate U.S.P.
Methyltestosterone U.S.P.
Progesterone U.S.P.
Ethisterone U.S.P.
Pregnenolone
Pregnenolone Acetate
21-Acetoxypregnenolone
Desoxycorticosterone Acetate U.S.P.
Methylandrostenediol

SULFONAMIDES

Sulfacetamide
Phthalylsulfacetamide

ANTIHISTAMINES

Prophenpyridamine Maleate

Schering CORPORATION • BLOOMFIELD, N. J.
BULK SALES DIVISION

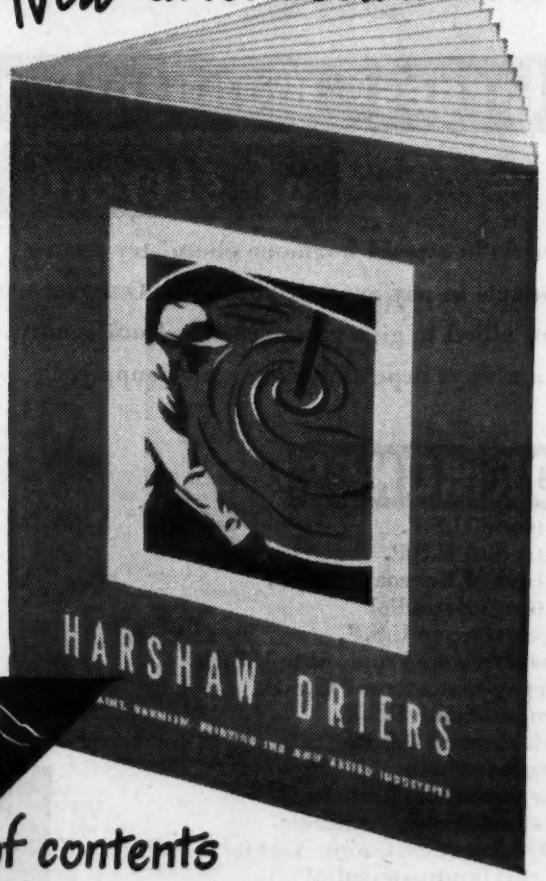
Lead Silicate—Matico Leaves

Lead silicate, bgs., l.c.l., ship't, pt., frt. alld .lb. .1905- .1875
Stearate, dibasic, dms., c.l. .lb. .55 - —
ton lots .lb. .56 - —
precip., bbls., c.l. .lb. .43 - —
ton lots .lb. .44 - —
less ton lots .lb. .45 - —
Sulphate, see Lead, blue; Lead, white; basic sulphate)
tribasic, dms., works .lb. .29¼- —
Tallate, liquid, 16% Pb, dms .lb. .15¾- —
24% Pb, dms .lb. .21½- —
White, basic, carbonate, bgs., c.l., ship't point, frt. alld .lb. .2010- —
l.c.l., same basis .lb. .2110- —
basic silicate, bgs., c.l., ship't point, frt. alld .lb. .1715- .2271
l.c.l., same basis .lb. .1815- .2371
basic sulphate, bgs., c.l., ship't point, frt. alld .lb. .1919- —
l.c.l., same basis .lb. .2019- —
Lecithin, edible, tech. bleached dms., non-ret., c.l., works. .lb. .18 - —
l.c.l., same basis .lb. .19 - —
unbleached, c.l., same basis .lb. .17 - —
l.c.l., same basis .lb. .18 - —
Lemon peel, bls .lb. .20 - .26
Leucine dextro-laevo. dms. works. .lb. 12.25 -15.00
Licorice extract, mass, cns .lb. .20¾- .27
powd., bbls .lb. .31 - .35
Root, bls .lb. .08 - .09
5-lb bundles, cs .lb. .40 - .45
powd., bbl .lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works .lb. .05¼- .06¼
Lime, agricultural, bgs., works .ton.14.50 - —
Chemical (quicklime), lump, pebble, bulk, Adams, Mass. .ton.18.00 - —
Annville, Pa .ton.11.50 - —
Bellefonte, Pa .ton.11.50 - —
Buffalo, N. Y. .ton.14.00 - —
Carey, Ohio .ton. 7.00 - —
Cedar Hollow, Pa. .ton.11.50 - —
Farnams, Mass. .ton.14.00 - —
Gibsonburg, Ohio .ton.12.50 - —
Hannibal, Mo .ton.12.00 - —
Keystone, Ala. .ton.10.25 - —
Kimballton, Va. .ton.10.25 - —
Knoxville, Tenn. .ton.10.50 - —
Lewisburg, Ohio .ton.10.00 - —
Limedale, Ark. .ton.10.00 - —
Longview, Ark. .ton.10.25 - —
Marble Cliff, Ohio .ton.10.00 - —
Martinsburg, W. Va. .ton.11.00 - —
McNeil, Tex .ton. 9.50 - —
Mosher, Mo .ton.10.25 - —
Redick, Florida .ton.13.50 - —
Scioto, Ohio .ton. 7.50 - —
Woodville, Ohio .ton.11.50 - —
York, Pa .ton.11.50 - —
Hydrated, paper bags, Adams, Mass. .ton.15.50 - —
Annville, Pa .ton.14.50 - —
Bellefonte, Pa .ton.14.50 - —
Buffalo, N. Y. .ton.16.00 - —
Cedar Hollow, Pa. .ton.14.50 - —
Chicago, Ill .ton.12.50 - —
Engle, W. Va .ton.14.50 - —
Farnams Mass .ton 14.00 - —
Gibsonburg, Ohio .ton.16.50 - —
Hannibal, Mo .ton.12.50 - —
Keystone, Ala .ton.13.50 - —
Kimballton, Va .ton.13.50 - —
Knoxville, Tenn .ton.13.00 - —
Lewisburg, Ohio .ton.14.00 - —
Limedale, Ark. .ton.12.00 - —
Longview, Ala. .ton.13.50 - —
Lime, hydrated, paper bgs., Marble Cliff, Ohio .ton.13.50 - —
Manistique Mich. .ton 9.50 - —
McNeil, Tex. .ton.13.00 - —
Mosher, Mo .ton.12.50 - —
Petoskey, Mich. .ton.10.00 - —
Redick, Fla. .ton.16.00 - —
Scioto, Ohio .ton. 9.00 - —
Springfield Mo. .ton 9.00 - —
Woodville, Ohio .ton.14.50 - —
York, Pa. .ton.14.50 - —
Spray, paper bgs., Adams, Mass. .ton.17.00 - —
Annville, Pa .ton.17.50 - —
Bellefonte, Pa .ton.15.50 - —
Carey, Ohio .ton.11.00 - —
Engle, W Va .ton.14.50 - —
Farnams, Mass .ton.14.00 - —
Gibsonburg, Ohio .ton.16.50 - —
Keystone, Ala .ton.13.50 - —
Kimballton, Va. .ton.13.50 - —
Kingston, Ala. .ton.13.50 - —
Lewisburg, Ohio .ton.16.00 - —
Marble Cliff, Ohio .ton.16.00 - —
McNeil, Tex .ton.16.00 - —
Mosher, Mo .ton.12.50 - —
Redick, Florida .ton.16.00 - —
Rockland, Me .ton.10.00 - —
Scioto, Ohio .ton 10.00 - —
Woodville, Ohio .ton.16.50 - —
York, Pa. .ton.15.50 - —
Lime salts (see Calcium)
Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate with dolomite)
Limestone, grd., bgs. works .ton. 3.50 - 4.00
Linalool, ex bois de rose, dms. .lb. 6.25 - 6.45
ex lignaloe wood, dms .lb. 6.75 - 7.10
Linalyl acetate ex bois de rose, 88-92%, dms .lb. 6.15 - 6.45
96-98%, dms. .lb. 6.60 - 7.35
ex petitgrain, bots .lb. 5.00 - 6.50
Lindane, 25% formulation, cns., works .lb. 2.70 - —
dms., works .lb 2.60 - —
99%, tech., dms., works .lb. 5.75 - —
Linden flowers with leaves, bls .lb. .34 - .38
without leaves, bls .lb. .45 - .50
Linseed meal expeller, 34% bulk Midwest mills .ton.68.00 Nom.
extracted, 36%, same basis .ton.66.00 Nom.
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld .lb. .2065- —
l.c.l., same basis .lb. .2165- —
Lithium benzoate, dms .lb. 1.67 - —
Bromide, NF, bbls., works, frt. equald .lb. 1.90 - 2.35
Carbonate NF, bbls., kgs .lb. 1.05 - 1.15
Chloride, cryst., dms .lb. .95 - 1.25
Citrate, NF, bbls., dms., kgs .lb. 1.05 - 1.40
Fluoride, bbls .lb. 1.80 - 2.00
Hydride, dms., works .lb.10.25 -14.00
Hydroxide monohydrate, dms .lb. .80 - 1.25
Salicylate, dms .lb. 1.60 - 1.70
Lithopone, ordinary, bgs., c.l., divd. .lb. .079 - —
l.c.l., divd .lb. .0865- .0890
titanated (high-strength), bgs., c.l., divd .lb. .10 - —
l.c.l., divd .lb. .11 - —
Lithopone prices, Pacific Coast, 1c per lb higher
Liverwort leaves, bls .lb. .75 - .80
Lobelia herb, bls .lb. .45 - .50
Leaves, NF .lb. .85 - .90
Lobeline sulphate, bots, works .oz.34.00 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. .lb. .41 - —
No. 2, bbls., l.c.l .lb. .39 - —
liquid, No. 1, bbls., l.c.l. .lb. .20 - —
No. 2, bbls., l.c.l. .lb. .19 - —
No. 3, bbls., l.c.l. .lb. .18½- —
solid, No 1 .lb. .35 - —
Lovage root, imported, bls .lb. .60 - .65
Lupulin tins .lb 1.95 - 2.00
Lycopodium, cs .lb. 1.50 - 1.60
Lysine hydrochloride, dextro-laevo, bots kilo 145.00 149.00

M

Mace, Amboina, bls .lb. No prices.
Banda, No. 1, bls .lb. 1.85 Nom.
Siauw, No. 1, bls .lb. 1.10 - 1.12
West Indian, cs .lb. 1.10 - 1.13
broken, cs .lb. .80 - .85
Madder, Dutch, bgs .lb. No stocks.
Magnesia calcined, tech., ctns., works .lb. .32 - .34¾
synth. rubber grade, ctns., works .lb. .31 - —
USP, light ctns .lb. .34 - .36
heavy, bbls .lb. .36 - .38
Magnesite chemical grade, bgs. c.l., works, frt. equald .ton.72.50 - —
dead-burnt, bulk, c.l. standard grain, Chewalah, Wash .ton.36.30 - —
Magnesium arsenate, bgs., cans, works .lb. .20 - .30
Bromide, jars .lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald .lb. .09½- —
l.c.l., frt. alld .lb. .10½- —
bbls., c.l., frt equald .lb. .10¾- —
l.c.l., frt alld .lb. .11¾- —
kgs., c.l., frt. equald .lb. .12 - —
l.c.l. frt. alld .lb. .13 - —
USP, bgs., c.l., frt. equald .lb. .11¼- —
l.c.l. frt. alld .lb. .12¼- —
bbls., c.l. frt. equald .lb. .11¾- —
l.c.l., frt alld .lb. .12¾- —
kgs., c.l., frt. equald .lb. .13 - —
l.c.l. frt alld .lb. .14 - —
Magnesium carbonate is quoted frt. alld. to N J except to Atlantic, Burlington Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila county Pa Frt. equald. with N Y C on all other destinations.
Chloride, anhyd., lump, 95-98%, dms., c.l., works, frt. equald .lb. .12¾- —
l.c.l., same basis .lb. .14 - .15
powd., bbls., works .ton.50.00 - —
hydrous, flake, l.c.l., works .ton.49.00 -51.00
Gluconate, dms., cns .lb. 1.88 - 1.93
Glycerophosphate dms., works .lb. 5.10 - 5.20
Hydroxide, NF, medicinals, bbls., dms., kgs .lb. .29 - .30
Hypophosphite, dms .lb. 1.60 - —
Laurate, bbls .lb. .46 - .47
Metal, 99.8% ingots, cs., works .lb. .24½- —
sticks, cs., works, frt. alld. on carlots .lb. .42 - .44
Oleate, fused, bbls .lb. .31 - —
Oxide (see Magnesia calcined)
Peroxide, 15%, dms., works .lb. 1.00 - 1.05
Phosphate, tribasic, NF bbls .lb. .75 - —
Silicate (see Talc)
Silicofluoride, bbls., works .lb. .12 - .14
Sulphate (see Epsom salt)
Stearate, ctns., c.l. .lb. .42 - —
ton lots .lb. .43 - —
less ton lots .lb. .44 - —
Trisilicate, USP, dms., 5,000-lb. lots .lb. .43 - .45
1,000-lb lots .lb. .45 - .47
100-lb. lots .lb. .48 - .50
bulky and super grades, 2c. per lb. higher.
Maleic anhydride, dms. c.l., divd., l.c.l., divd. .lb. .37 - —
Prices on maleic anhydride West of Rockies 1¼c. higher .lb. .38 - —
Malva flowers, black, bls .lb. .90 - 1.10
Blue, bls .lb. 1.50 - 1.75
Leaves, bls .lb. .35 - .38
Mandrake root, bls .lb. .43 - .45
Manganese acetate bbls .lb. .33¼- —
Arsenate bgs .lb. .12 - .12¼
Borate tech., bbls .lb. .24 - .28½
Carbonate, bbls., works .lb. .21 - —
Carbonate, bbls., works .lb. .21 - —
Chloride, anhyd., dms., works .lb. .20 - .22
Dioxide, African, battery, 84-87%, bgs., 100 tons, works .ton.78.00 - —
smaller lots, works .ton.84.00 -94.00
Gluconate, dms., cns .lb. 1.86 - 1.98
Glycerophosphate, NF, lb. dms .lb. 4.70 - 4.80
Hydrate, bbls., works .lb. .34 - —
Hypophosphite, NF, dms .lb. 2.00 - —
Linoleate, liquid, 4.35% Mn., dms. .lb. .30½- —
solid, precip., 8.2% Mn., bbls .lb. .33½- —
Metal, cs., divd. East .lb. .30 - .32
Naphthenate, liquid, 6% Mn., dms., frt. alld .lb. .25½- —
Oleate, precip., bbls .lb. .33½- —
Resinate, fused, 3½% Mn., dms .lb. .21¾- —
precip., dms .lb. .24½- —
Stearate, ctns., c.l. .lb. .42 - —
ton lots .lb. .43 - —
less tons .lb. .44 - —
Sulphate, fertilizer grade, 65%, bgs., c.l., divd. S. E. .ton.75.50 - —
l.c.l., divd. S. E. .ton.82.50 - —
feed grade, 75%, bgs., c.l., divd. S.E. .ton.87.50 - —
l.c.l., divd. S E. .ton.94.50 - —
Tallate, 6%, dms .lb. .22¼- —
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock .ton.80.00 Nom.
So. American, 30% tannin, c.l., ex dock .ton.51.00 -52.00
Manna, flake, large, cs .lb. 1.25 - 1.30
small, cs .lb. .90 - 1.00
Mannitol, com'l dms. works .lb .40 .43
reagent 50-lb dms. works .lb .85 —
Marjoram, Argentine, bls .lb. No stocks.
Bohemian, bls .lb. .30 - .31
Chilean, bls .lb. .23 - .24
French, bls .lb. .32 - .33
Peruvian, bls .lb. .23 - .23
Matico leaves, bls .lb. .25 - .35

HARSHAW'S New drier book is now available



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HARSHAW

THE HARSHAW CHEMICAL COMPANY
General Offices and Research Laboratories
CLEVELAND 6, OHIO 1945 East 97th Street
BRANCHES
CHICAGO • CINCINNATI • DETROIT • HOUSTON • LOS ANGELES • NEW YORK • PHILADELPHIA • PITTSBURGH

Melamine, bgs. ton lots, works lb. .33 - —
500 lbs. or more, works lb. .33½- —
less 500 lbs., works lb. .38½- —
Menadione, USP, bots gram .06 - .06½
Menthol, natural, USP, Brazilian, cs., lb. 8.75 - —
Chinese, cs. lb. 9.65 - —
synthetic, USP, racemic, cns. lb. 8.10 - 8.60
Menthyl salicylate, tins lb. 4.00 - 4.25
Mercaptobenzothiazole, bgs., fib. dms. ton lots, works, frt. alld lb. .34 - —
less ton lots, same basis lb. .36 - —
Mercaptobenzothiazylidisulphide, bgs., fib dms. ton lots, works, frt. alld lb. .42 - —
less ton lots, same basis lb. .44 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Chloride (see Calomel).
Cyanide NF, VIII powd. fib. dms lb. 5.29 - —
Iodide, red, NF, fib. dms. lb. 6.22 - —
yellow, NF, fib. dms lb. 6.47 - —
Metal (see Quicksilver).
Oxide, red or (see Red precipitate).
yellow tech (see Yellow mercury oxide)
USP, fib. dms lb. 4.64 - —
Mesityl oxide, dms., c.l., divd lb. .13¼- .14¼
l.c.l., divd lb. .14 - .15
tanks, divd lb. .11½- .12½
Metaldehyde, dms., works lb. .95 - —
Metachloranilin dms. works lb. .80 - —
Metacresol, 98%, dms., c.l., works lb. .73½- —
l.c.l., works lb. .74½- —
Metanitroaniline dms., frt. alld lb. 1.05 - —
Metanitroparatoluidin, bbls lb. 1.54 - —
Metaphenylenediamine kgs. frt. alld. lb. .90 - —
Metatoluidine, bbls. c.l., works, frt. alld lb. .78 - —
l.c.l., same basis lb. .80 - —
tankcars, same basis lb. .76 - —
Metatolylenediamine kgs., frt. alld. lb. 1.00 1.02
Methanol, natural, denaturing grade, dms., c.l., frt. alld. gal. .78 - —
l.c.l., frt. alld gal. .79 - —
tanks, frt. alld gal. .70 - —
Prices on natural methanol W. of Miss., 3c. higher.
synthetic, zone 1, dms., c.l., frt. alld gal. .44 - .46
l.c.l., frt. alld gal. .49 - .50
tanks, frt. alld gal. .32 - .34
zone 2, dms., c.l., frt. alld gal. .49½- .51½
l.c.l., ex whse gal. .51 - .54
tanks, frt. alld gal. .35½- .37½

Synthetic methanol zones are: Zone 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of the U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.

Methenamine (see Hexamethylenetetramine)
Methionine, dextro-laevo, fib. dms., frt. alld. 50-lb. or more lb. 4.55 - —
feed grade, 98% fib., dms., same basis lb. 3.00 - —
97% fib dms. same basis lb. 2.97 - —
Methoxychlor, 50% wettable powder, dealers, dms., cs., works. lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., divd., zone 1 lb. .17 - —
t.c.l., same basis lb. .17½- —
hydrogenated non-ret. dms., c.l., divd. zone 1 lb. .17½- —
t.c.l., same basis lb. .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Penn.

Acetone, natural, dms., c.l., E. of Miss., frt. alld gal. .57 - —
t.c.l., same basis gal. .60 - —
tanks, same basis gal. .45 - —
Natural methyl acetone prices W. of Miss. 3½c. per gal. higher
synthetic, dms., c.l., works, frt. alld, E gal. .66½- —
t.c.l., works, frt. alld., E gal. .73 - —
tanks, works, frt. alld. E gal. .5? - —

Methyl acetone, synth., East territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Acrylate, dms., c.l., and truck-load, works lb. .50 - —
less than truckload, works lb. .50½- —
tanks, works lb. .49 - —
Alcohol (see Methanol)
Anthranilate, cns., 100 lbs. or extra, cns lb. 2.65 - 4.40
extra, cns lb. 2.80 - 4.00
Benzoate, cns., dms lb. .60 - .65
Bromide, jobbers, cyls., various sizes, works lb. .47 - .61
Chloride, indust., cyl., works lb. .18 - —
tanks, multi-unit, works lb. .14 - —
single-unit, works lb. .11½- .12
refrigerator mfrs. cyls. divd lb. .39 - .48
other consumers or service men, cyls. divd lb. .496 - —
Cinnamate, cns. lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb. .33 - —
Formate, refd., dms lb. .35 - .40
tech. non ret. dms., any quantity, works lb. .03 - —
tanks, works lb. .07 - —
Iodide, bots., works lb. 3.60 - 3.95
cbys., works lb. 3.00 - 3.25
Lactate, dms., t.c.l., works lb. .35 - —
Methacrylate, dms., c.l., and truck-load, works lb. .36½- —
less than truckload works lb. .37 - —
tanks, works lb. .35 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms lb. 1.90 - 2.00
Roseaniiin chloride, NF, fib. dms lb. 5.40 - —
Salicylate, USP, dms., 500 lbs lb. .50 - —
cns. 50 lbs lb. .55 - —
Testosterone, USP, 100 gms. gm. 2.25 - —
Methylal, refined, 95%, dms., c.l., works lb. .11 - —
t.c.l. works lb. .12 - —
tanks, works lb. .09 - —
Methylamyl acetate, dms., c.l., divd. lb. .16¼- —
t.c.l., divd lb. .17¼- —
tanks, divd lb. .14½- —
Ketone, dms., works lb. 1.05 - —
Methylcellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works lb. .78 - —
2,000 lbs. and more, same basis lb. .80 - —
smaller lots, frt. alld on 100 lbs. lb. .85 - .97
standard vis., (15-400 cps.), 50-lb. bgs., c.l., frt. alld lb. .86 - —
2,000 lbs and more, same basis lb. .88 - —
smaller lots, frt. alld. on 100 lbs lb. .72 - .85
Methylene blue, 100-lb. lots, kgs., frt. adjusted lb. 2.55 - 3.00
smaller lots, kgs. same basis lb 3.40 - 3.60
Chloride, indust., dms., c.l., E. lb. .136 - —
l.c.l., divd. E. lb. .146 - —
tanks, divd. E. lb. .12½- —
Methylethylketone, dms., c.l., divd. lb. .12¾- .13¾
l.c.l., divd lb. .13½- .14½
tanks, divd lb. .11 - .12
Methylheptin carbonate, bots lb. 35.00 - 45.00
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl-)
Ketone, dms., c.l., divd lb. .14¾- —
l.c.l., divd lb. .15½- —
tanks, divd lb. .13 - —
Methylnaphthyl ketone, cans. lb. 3.00 - 3.75
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexylene glycol)
Methylphenylpyrazolone, 250-lb dms., divd lb. 1.60 - 1.70
less than 250 lbs., dms., divd lb. 1.80 - 1.90
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .04½- —
roofing, 20 to 80 mesh, works lb. .03¾- —
wet-grd., biotite, bgs. c.l. works, frt alld., E lb. .05¾- —
l.c.l., ex whse. or frt alld. E lb. .06½- —
extra fine, bgs., c.l., works, frt. alld., E lb. .03¾- —
l.c.l., ex whse or frt alld. E lb. .06½- —
paint or lacq., bgs., c.l., works, frt. alld. E lb. .07¼- —
l.c.l., ex whse. or frt allds. E lb. .08 - —
rubber, bgs., c.l., works, frt. allds. E lb. .07 - —
l.c.l., ex whse or frt allds E lb. .07¾- —
Mica, wet-grd., wallpaper, bgs., c.l., works, frt. allds. E lb. .07¼- —
l.c.l. ex whse or frt. allds. E lb. .08 - —
white, extra, fine, bgs., c.l., works, frt. allds. E lb. .07¼- —
l.c.l. ex whse. or frt. allds. E lb. .08 - —
Mica, wet-grd., W. of Miss. R., ½c. higher, W of Rockies, 1c. higher
Milk powder, skimmed, roller, bbls., c.l. lb. .16¼- .17
spray, bbls., c.l. lb. .16¼- .17¾
whole, roller, bbls., c.l. lb. No prices.
spray, bbls., c.l. lb. .36 - .43
Sugar, crude, bgs., c.l., works lb. .18 - —
edible, bgs., works, 30,000-lb. lots lb. .24 - —
2,000-lb lots lb. 24¾- —
200-1,800-lb lots lb. .25¼- —
Edible milk sugar in fib., dms. 1c. higher.
USP, fib. dms., 30,000-lb. lots, works lb. .29 - —
2,000-lb. lots, works lb. .29¾- —
200-1,800-lb. lots, works lb. .30¼- —
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap, industrial, tanks, New York gal. .33½- —
New Orleans gal. .29½- .36
Molybdenum metal 60% Mo powd. kgs lb. 3.00 Nom.
Trioxide, pure, kgs., works, basis Mo. content lb. 1.35 - —
technical, kgs., works, basis Mo. content lb. 1.13 - 1.14

Melamine—Monosodium Phosphate

Monochlorobenzene, dms. c.l. frt. allds., or divd E lb. .10½- .11½
l.c.l., same basis lb. .11½- .12½
Monochlorobenzene, tanks, same basis lb. .09 - .10

Monochlorobenzene prices in the West 1¼c. higher.

Monoethanolamine, dms. c.l. frt. allds. E lb. .29¾- —
l.c.l. same basis lb. .30¾- —
tanks, same basis lb. .28 - —
Monoethylaminonaphthylamine, dms., works lb — —
Monoethylamine, dms. c.l., frt. allds. E., basis 100% lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30¼- —
Monoethylanilin, dms., c.l., frt. allds. lb. .51 - .57
l.c.l., frt. allds lb. .52 - .58
tanks, frt. allds lb. .50 - .56
Monoethylorthotoluidin, bbls. lb. .80 - —
Monoisopropylamine, dms., c.l., frt. allds. E lb. .28¼- —
l.c.l., same basis lb. .29¼- —
tanks, same basis lb. .26½- —
Monomethylamine, 25%-40%, dms., c.l., works, basis 100%, lb. .35 - —
l.c.l., same basis lb. .35½- .38
tanks, same basis lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate monobasic).

STRETCH your solvent power with ketones

Get tougher lacquers
Increase cold-check resistance

Every pound of ketones you use s-t-r-e-t-c-h-e-s your ability to formulate high-quality lacquers.

Because ketones are the most powerful solvents, they permit the use of more high-viscosity nitrocellulose in a lacquer of normal spraying viscosity. This means a tougher coating . . . with greater cold-check resistance.

The greater solvent power of ketones gives you a pound-for-pound cost advantage and important improvements in lacquer quality. Ask your Shell Chemical representative to point out the competitive advantages of powerful ketone solvents.

SHELL CHEMICAL CORPORATION
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IN CANADA: Shell Oil Company of Canada, Limited • Toronto • Montreal • Vancouver

Morphine Alkaloid—Oil, Cumin

Morphine, cns ..... oz. 12.40 -12.60
Acetate, anhyd., cns ..... oz. 9.95 -10.00
Hydrobromide, cns ..... oz. 9.90 - 9.95
Hydrochloride, NF, cns ..... oz. 9.90 - 9.95
Sulphate, USP, cns ..... oz. 9.90 -10.05

Morpholine, dms., c.l., works ..... lb. .61½- —
l.c.l., works ..... lb. .62 - —
tanks, works ..... lb. .60 - —

Mullein flowers, cs ..... lb 1.15 - 1.20
Leaves, bls. ..... lb. .21 - .25

Musk, natural, Tonquin grains, bots. oz. 40.00 -55.00
synthetic, ambrette, 100 lbs., fib. dms. lb. 5.60 - —
25 lbs., cns ..... lb. 5.70 - —
5 lbs., cns ..... lb 5.85 - —
ketone, 100 lbs., fib. dms. ..... lb. 5.35 - —
25 lbs., cns ..... lb. 5.45 - —
5 lbs., cns ..... lb. 5.60 - —
xylol, 100 lbs., fib. cms. ..... lb. 1.65 - 1.75
25 lbs., cns ..... lb. 1.75 - 1.78
5 lbs., cns ..... lb. 1.85 - 1.90

Musk root, bls. ..... lb. 1.60 - 1.65

Mustard seed Calif. brown bgs., f.o.b. source lb. .12 - —
Danish, bgs ..... lb. .13 - .13½
Dutch, yellow, bgs ..... lb. .13 - .13½
English, yellow, bgs ..... lb. .13 - .13½
German, yellow bgs ..... lb. .17 - .17½
Montana, brown, bgs., f.o.b. source, Sept.-Oct. shipment lb. .08¼- —
oriental, bgs., source, Sept.-Oct. shipment lb. .08 Nom.
yellow, bgs. source, Sept.-Oct. shipment lb. .11 - —

Myrobalans, J1, assorted, bgs., ex dock ..... ton. 51.00 -52.00
crushed, bgs., ex dock ..... ton. 75.00 -76.00
J2, bgs. ex dock ..... ton. No prices.

Monotertiarybutylmetacresol, dms., c.l., works ..... lb. .49 - —
l.c.l., works ..... lb. .50 - —
tanks, works ..... lb. .48 - —

N

Naphtha, painters (see Petroleum naphtha, V. M & P.).
Solvent (see S).

Naphthalene, dom., crude, 74°, tanks, frt. alld ..... lb. .0625- —
78° dms., c.l. same basis ..... lb. .0765- .0790
l.c.l., same basis ..... lb. .0790- .0815
tanks, same basis ..... lb. .0675- .0700
refined, industrial, bbls., c.l., frt. equald ..... lb. .11¾- —
bgs., c.l., same basis ..... lb. .11¼- —
tanks, same basis ..... lb. .10¾- —
balls, flakes, wholesalers, jobbers, bbls., c.l., same basis. lb. .14½- —
cs. 60 lbs. c.l. same basis lb. .14¾- —
1-lb pkgs. c.l. same basis lb. .17 - —
imported, crude, 78°, large lots. lb. .11 - .13½

Natural gas, sweet, as chemical raw material, Texas well-head average prices, July, 1950:—
District 1, San Antonio ..... M c.f. .04468- —
2. Refugio ..... M c.f. .04128- —
3. Houston ..... M c.f. .04760- —
4. Corpus Christi ..... M c.f. .03720- —
5. Kilgore, Palestine, Mt. Pleasant M c.f. .04868- —
6, Kilgore, Palestine, Mt. Pleasant M c.f. .06743- —
7B. Abilene ..... M c.f. .04690- —

Natural gas, sweet, 7C. San Angelo M c.f. .04696- —
8. Midland ..... M c.f. .04653- —
9. Wichita Falls ..... M c.f. .04424- —
10. Pampa ..... M c.f. .03913- —

Neocinchophen, USP, dms., frt. adjusted ..... lb. 7.00 - 8.00

Nephelin syenite, glass, 24 mesh, bulk, Rochester, N. Y. ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y. ton. 18.25 - —
Nephelin syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns. ..... lb. 2.25 - 2.65

Niacin (see Acid, nicotinic).

Niacinamide (see Nicotinamide).

Nickel, acetate, bbls., dlvd. ..... lb. .60 - .60½
Carbonate, bbls., dlvd. ..... lb. .66¼- —
Chloride, bbls., dlvd. ..... lb. .34½- —
Cyanide, bots., dms. ..... lb. 1.75 - 2.00
Formate, bbls., ton lots, frt. alld. lb. .58½- .59½
Metal, electro cathodies, cs. works ..... lb. .56½- —
Nitrate, bbls, works ..... lb. .33½- —
Oxide, black, bbls ..... lb. .63¼- —
Sulphate, bgs., c.l., dlvd. ..... lb. .26¼- —
l.c.l., dlvd ..... lb. .26¾- —

Nicotinamide, USP, dms., frt. adjusted ..... kilo. 12.00 -12.30
Hydrochloride, dms., frt adjusted ..... kilo. 11.50 -11.80

Nicotine sulphate, 40% 50-lb. dms., dealers, frt. alld. over 10 lbs., dm. 49.40 - —
10-lb. tins, dealers, frt. alld. on cases of 6 ..... tin. 10.85 - —

Nikethamide, cbys. ..... lb. 7.50 - 7.75

Nitrobenzene, dbl. dist., dms., c.l., frt. alld. ..... lb. .10½- .11½
l.c.l., frt. alld ..... lb. .11½- .12½
tanks, frt. alld ..... lb. .09½- .10½

Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15-20, 30-40, 60-80, 125-175, secs., bbls., c.l., works ..... lb. .33 - —
l.c.l., same basis ..... lb. .34 - .36
18-25 cps., c.l ..... lb. .35 - —
l.c.l., same basis ..... lb. .36 - .38
250-400, 600-1,000 secs., c.l., same basis ..... lb. .42 - —
l.c.l., same basis ..... lb. .43 - .45
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis. lb. .45 - —
l.c.l., same basis ..... lb. .46 - .48
5-6, 40-60 secs., bbls., c.l., same basis ..... lb. .44 - —
l.c.l., same basis ..... lb. .45 - .47

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., dlvd. E. of Rockies. lb. .25 - —

Nitrogen solution, tanks, works, N. ton. 120.00 - —

Nitrogenous process, tankage, bulk, works, ammo., ship't... unit-ton. 4.90 Nom.
Sewage sludge, bulk, works.. unit-ton. 3.25+ .40

Nitromethane, dms., l.c.l., dlvd. E. of Rockies lb. .25 - —

Nitropropane, 1, dms., dlvd., E. of Rockies lb. .23¼- —
2, dms., dlvd., E. of Rockies lb. .25 - —

Nonylphenol, dms., c.l., works ..... lb. .33½- —
l.c.l., works ..... lb. .34½- —
tanks, works ..... lb. .32½- —

Nutgalls, Aleppo, bgs ..... lb. .38 - —
Chinese, bgs. ..... lb. .32 - —
Istrian, bgs ..... lb. .31 - —

Nutmeg, East Indian, cs ..... lb. .49 - .50
splits, bgs., afloat ..... lb. .48 - .49
West Indian, bgs ..... lb. .38 - .39

Nux vomica, bls. ..... lb. .10 - .12
powdered, bbls., bxs ..... lb. .13 - .14

O

Octane, 100°-140°C., industrial grade, group 3, dms., c.l. gal. .19 - —
l.c.l. ..... gal. .21 - .60
tanks ..... gal. .15½- —
10°C., b.r., Bayonne, N. J., tanks, gal .18 - —

Octanol, normal, tech., dms., c.l., dlvd. ..... lb. .419 - —
l.c.l., dlvd ..... lb. .439 - —
tanks, dlvd ..... lb. .394 - —

Octyl methacrylate, normal, dms., less than truckload, works. lb. .83 - —

Oil, abies siberica, cns. ..... lb. 3.50 - 4.25
Almond, artificial, bitter (see Benzaldehyde)
natural, bitter, F.P.A., bots. lb. 3.15 - 3.85
NF, bots ..... lb 3.00 - 3.75
sweet, USP, dms., cns. ..... lb. .55 - .90
Allspice (see Oil pimento).
Amyris, dms. ..... lb. 1.60 - 2.00
Angelica root, bots. ..... lb. 120.00 -150.00
seed, bots ..... lb. 100.00 -130.00
Anilin (see Al).
Anise, USP, Chinese, dms. ..... lb. 1.70 - 2.60
Apricot kernel, USP, dms. ..... lb. .40 - .65
Avocado, cns., dms ..... lb. 1.00 - 1.10
Babassu, crude, tanks ..... lb. .15¼- —
Bay, NF, Puerto Rican, 50-53%, cns lb. 1.65 - 2.00
55-60%, ens. ..... lb. 1.80 - 2.10
West Indian, 50-55%, cns., dms. lb. 1.90 - 2.00
Bergamot, artif., cns. ..... lb. 3.35 - 6.25
natural, NF, Italian, cns. ..... lb. 14.50 -16.00
Birchtar, crude, cns. ..... lb. 1.45 - —
rectified, NF, cns ..... lb. 3.90 - —
Bois de rose, Brazil, dms. ..... lb. 4.30 - 4.75
Mexican (see Oil, lignaloe wood.)
Bone, dms., works ..... gal. .65 - .70
Cajeput, redist., USP, cns ..... lb. 2.10 - 2.35
tech., dms. ..... lb. 2.45 - 2.70
Calamus, cns. ..... lb. 20.00 -28.00
Camphor, sassafrassy, dms. ..... lb. .26 - .42
white, dms. ..... lb. .26 - .43
Cananga, native, cns. ..... lb. 9.25 -11.15
rectified, cns ..... lb. 9.75 -13.15
Capsicum (see Capsicum oleoresin)
Caraway, NF, cns ..... lb. 4.00 - 4.40
Cardamom, NF, bots ..... lb. 57.00 -70.00
Cassia, USP, cns., dms. ..... lb. 4.95 - 6.00
Castor, blown, dms., c.l. ..... lb. .3675- —
l.c.l. ..... lb. .3725- —
dehydrated, bodied, dms., c.l ..... lb. .3960- —
l.c.l. ..... lb. .4010- —
tanks ..... lb. .3825- —
unbodied, dms., c.l ..... lb. .3860- —
l.c.l. ..... lb. .3910- —
tanks ..... lb. .3735- —
hydrogenated, dms., l.c.l. ..... lb. .4550- —
No. 1, Brazilian, tanks ..... lb. .3300 Nom.
USP, dms., c.l ..... lb. .3475- —
l.c.l. ..... lb. .3525- —
tanks ..... lb. .3375- —
refined and deodorized, dms., c.l. lb. .3625- —
l.c.l. ..... lb. .3675- —
tanks ..... lb. .3525- —
No. 3, tech., dms., c.l. ..... lb. .3450- —
l.c.l. ..... lb. .3500- —
tanks ..... lb. .3350- —
sulphonated, 50% (48% fat), dms., l.c.l. lb. .19 - .20
75% (60-62% fat), dms., l.c.l. lb. .26 - .27
Cedarleaf, USP, cns., dms. ..... lb. 2.80 - 3.50
Cedarwood, cns., dms. ..... lb. .55 - .65
Celeryseed, bots ..... lb. 16.50 -21.00
Chamomile, blue, Hungarian, bots. lb. 280.00 -340.00
Chaulmoogra, NF cns. dms. ..... lb. .55 - .70
Chinawood (see Oil tung).
Cinnamon bark, USP, bots ..... lb. 55.00 -60.00
leaf, Ceylon, bots ..... lb. 2.25 - 3.25
Citronella, Ceylon, cns., dms. ..... lb. 1.05 - 2.40
Java, true, cns ..... lb. 1.30 - 2.60
Java type, cns. ..... lb. .85 - 2.25
Clove, USP from buds, cns., dms. lb. 3.65 - 4.25
Coconut, crude, tanks, Atlantic ports ..... lb. .12½- —
Pac. coast ..... lb. .11½- —
refined, Cochin type, tax incl., ret. dms., l.c.l. ..... lb. .19 - —
deodorized, tax incl., non-ret. dms., l.c.l. ..... lb. .21½- —
Cod, Newfoundland, dms. ..... lb. .14½- .14¾
Codliver, USP, dms. ..... gal. 1.90 - 2.00
Copaiba, cns ..... lb 2.50 - 4.25
Coriander, USP, bots. ..... lb. 25.00 -36.50
Corn, crude, tanks, works ..... lb. .14 - —
foots, acid, 95%, tanks, N. Y. lb. .05¼- —
raw, 50%, tanks, same basis. lb. .02¼- —
refined, dms. ..... lb. .20 - .20½
tanks ..... lb. .17¼- —
Costus, bots ..... oz. 19.50 -25.00
Cottonseed, crude, tanks, South-East ..... lb. .13 - .13¼
Texas ..... lb. .12¾- .13
foots, acid, 95%, tanks, N. Y. lb. .04 - —
raw, 50%, tanks, same basis. lb. .01¾- —
salad, dms. ..... lb. .19½- .20
tanks ..... lb. .17 - —
Creosote (see Creosote, coaltar)
Croton, cns. ..... lb. 4.75 5.50
Crude (see Petroleum, crude).
Cubeb, cns. ..... lb. 5.75 - 7.50
Cumin, bots. ..... lb. 5.60 - 7.00

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help you make
PHARMACEUTICALS

Aluminum Chloride, Anhyd.
Antimony Trichloride, Anhyd.
Benzoic Acid
Benzoyl Chloride
Benzyl Chloride
Monochloroacetic Acid
Muriatic Acid
Paranitrobenzoyl Chloride
Propionyl Chloride
Sodium Benzoate
Sodium Sulfhydrate
Sodium Sulfide
Sulfuryl Chloride
Thionyl Chloride

The Hooker Chemicals listed at the left are widely used in the manufacture of pharmaceuticals. As chemical intermediates they are in demand for other uses as well.

Increased demand occasionally makes it impossible to accept new business but we are doing everything possible to keep up with your needs. There has been and will be no compromise with Hooker quality and shipment-to-shipment uniformity.

As materials become available, they are shipped out promptly. Careful scheduling, and point-to-point checking en route, assure that Hooker Chemicals reach you in the same good condition as when they leave us.

IF YOU ARE INTERESTED in the typical properties, specifications and uses of any of these chemicals, we shall be glad to send you technical data sheets. For a complete list of Hooker Chemicals ask for Bulletin 100. Please request on your business letterhead.

From the Salt of the Earth

HOOKER ELECTROCHEMICAL COMPANY

1 FORTY-SEVENTH ST., NIAGARA FALLS, N. Y.

New York, New York • Wilmington, California • Tacoma, Washington

HOOKER CHEMICALS ®

1-185

CYCLOHEXANOL • PIPERIDINE • METHYL CYCLOHEXANOL • CUSTOM HYDROGENATIONS • CAUSTIC SODA • MURIATIC ACID • CHLORINE

Oil, cypress, bots.....lb. No stocks.
Degras (see D).
Dillseed, India, bots.....lb. 6.25 - 7.75
Dillweed, domestic, bots., dms lb. 3.75 - 4.50
Dip (see D).
Erigeron, cns.....lb. 6.50 - 7.50
Eucalyptus, NF, rectified, 80-85%, dms..lb. 1.25 - 1.60
70-75%, dms. .....lb. 1.10 - 1.45
Fennel, USP, cns.....lb. 2.30 - 3.55
Fir, Canada, cns.....lb. 2.85 - 3.65
Fishliver, crude, for feeds for concentrating, 4,000 to 12,000 A units per gm., dms., 1,000,000 units. .12 - .13½
10,000 to 20,000 A units dms. 1,000,000 units. .11½- .12
25,000 to 35,000 A units dms. 1,000,000 units. .11½- .12
40,000 to 55,000 A units dms. 1,000,000 units. .12 - .13
prime, nat. or conc., 100,000 A units, dms ..... 1,000,000 units. .13 - —
200,000 A units, dms..... 1,000,000 units. .14 - —
300,000 A units, dms..... 1,000,000 units. .14 - —
400,000 A units, dms..... 1,000,000 units. .15 - —
500,000 A units, dms..... 1,000,000 units. .15 - —

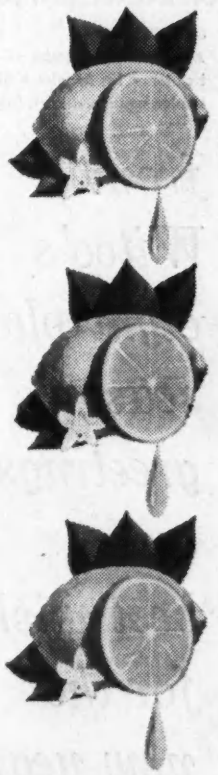
Prices above are based on the USP XIV method of conversion, Morton-Stubbs Corrected E x 1900.

Fusel (see F).
Fusel (see F).
Garlic, pure, bots.....oz. 6.50 - 8.00
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns.....lb.19.50 -25.25
Bourbon, cns .....lb.14.00 -24.50
Turkish (see Oil, palmarosa).
Ginger, dist., bots.....lb.19.00 -24.50
Grapefruit, dms .....lb. 1.70 - 2.25
Grease, No. 1, dms.....lb. .11 - .12
extra, winter, strained, dms..lb. .14 - .15
prime, burning, dms.....lb. .14½- .15½
Guaiacwood, cns .....lb. 1.65 - 2.10
Hemlock, cns .....lb. 2.20 - 3.15
Juniper berry, NF VIII, bots..lb. 2.75 - 4.00
twice rectified, bots.....lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech cns .....lb. .65 1.00
Lard (see Oil, grease).
Laurel, dms, cns .....lb. 3.90 - 4.50
Lavandin, dms., cns.....lb. 3.25 - 5.00
Lavender, flower, USP, French,
30-32%, ester, cns.....lb. 4.15 - 5.45
38-40%, ester, cns.....lb. 5.75 - 6.75
40-42%, ester, cns.....lb. 6.50 - 8.50
Spike, Spanish, cns.....lb. 1.75 - 2.95
Lemon, USP, Calif., cns., dms..lb. 4.85 - 5.00
Messina, cns.....lb. 3.65 - 8.20
Lemongrass, cns., dms.....lb. 2.00 - 4.25
Lignaloe wood, Mexican, cns..lb. 4.35 - 4.80
Lime, distilled, Mexican, cns..lb. 8.10 - 8.60
West Indian, cns.....lb. 7.75 - 9.25
expressed, West Indian, cns..lb. 7.25 -15.00
terpeneless, bots.....lb.45.00 -65.00
Linseed, raw, dms., c.l., Zone 3. lb. .2070- —
l.c.l. .....lb. .2120- .2170
tankcars .....lb. .1970- —
tankwagon .....lb. .2000- —
Boiled linseed oil, .004c. per lb. higher.
Mace, dist., cns., dms.....lb. 4.35 - 6.00
Mandarin, Floridian, dms.....lb. 3.75 - 5.00
Italian, cns .....lb. 7.00 - 8.75
Menhaden, crude, tanks, Balto..lb. .10½-Nom.
refined, alkali, dms .....lb. .1780- —
kettle-bodied, dms.....lb. .1880- —
light-pressed, dms.....lb. .1660- —
tanks .....lb. .1520- —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard seed, expressed, dms lb. .24 - .25
synthetic, cns., dms.....lb. 1.60 1.70
Neatsfoot, 15°, dms.....lb. .37 - .38
20°, dms. .....lb. .36 - .37
30°, cms. .....lb. .34 - .35
Neroli, NF, French bots.....lb.175.00 -195.00
Haitian, bots .....lb.90.00 —
Niaouli, cns.....lb. 1.95 - 3.00
Nutmeg, USP, dist., East Indian, cns., dms..lb. 4.35 - 5.75
West Indian, cns., dms..lb. 3.90 - 4.75
Ocotea cymbarum, dms.....lb. .75 - 1.10
Oiticica, liquid, dms.....lb. .26½- .27
tankcars .....lb. .24½- .25
Oleo, extra, dms.....lb. .23 - —
Olibanum, bots .....lb. 5.50 - 7.65
extra fine, bots.....lb. 8.00 - —
Olive, commercial, dms.....lb. 1.85 - —
edible, dms., duty paid....gal. 2.00 - 2.10
foots, dms. .....lb. .17 - .17½
Orange, sweet, dist., cns.....lb. .80 - 1.50
expressed, USP, Brazilian, cns., dms..lb. No stocks.
Calif., cns. .....lb. 1.65 - 2.75
Florida, cns., dms.....lb. 2.06 - 2.75
Messina, cns .....lb. 4.00 - 5.85
West Indian, cns.....lb. 2.75 - 3.35
sesquiterpeneless, bots.....lb.223.00 —
Origanum, Spanish, cns .....lb. 2.15 - 2.75
Palm, Congo, dms.....lb. .19 - —
Palmarosa, cns. .....lb. 7.00 - 9.00
Paraffin, pale, 100-110 vis., at 100°F. tanks, East Coast refinery..gal. .14 - —
Patchouli, dms. .....lb. 9.00 -17.00
Peach kernel, USP (see Oil, apricot kernel).
Peanut, crude, tanks, Southeast. lb. .16 - —
refined, dms. .....lb. .22 - .22½
tanks .....lb. .19¼- —
Pennyroyal, USP, imported, cns., lb. 4.00 - 4.75
Peppermint, natural, dms.....lb. 7.00 - 7.65
redist., USP, dms.....lb. 7.25 - 8.25
Persic, USP (see Oil, apricot kernel).
Perilla crude dms ..... lb. No stocks.
Petitgrain, Paraguay, cns.....lb. 3.10 - 3.75
Pimento berry, NF, dms.....lb. 4.50 - 5.75
leaf, cns. .....lb. 2.55 - 2.85
Pine, dest., dist., dms., extra, c.l., works..gal. .75½- —
l.c.l. .....gal. .76½- —
l.c.l., whse .....gal. .95½- —
steam dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N.Y.C..lb. .127 - —
Pineneedle, Siberian (See Oil, abies Siberica).
Putty, petroleum, dms., c.l., dlvd. lb. .11 - —
l.c.l., same basis.....lb. .12 - —
tanks, same basis .....lb. .10 - —
Rapeseed, tankcars.....lb. .22 - .22½
Red (see Acid, oleic)
Rice, bran, clarif., dms., l.c.l...lb. .19¼- —
Rose, natural, Bulgarian, bots..oz.42.25 -55.00
Rosemary, Spanish, tech., cns., dms..lb. .70 - 1.10
USP, cns., dms.....lb. .85 - 1.30
Rue, bots. .....lb. 2.75 - 3.60
Safflower, dms., l.c.l.....lb. No stocks.
Sage, clary, bots .....lb.20.00 -25.50
Dalmatian, cns.....lb.12.00 -13.75
Spanish, cns .....lb. 1.00 - 2.65
Sandalwood, NF, cns.....lb.10.90 -14.75
Sardine, crude, tanks, Pac. coast. lb. .1250- .1300
refined, alkali, dms .....lb. .1780- —
kettle-bodied, dms.....lb. .1880- —
light-pressed, dms.....lb. .1660- —
tanks .....lb. .1520- —
Sassafras, artificial, cns., dms..lb. .65 - 1.25
natural, Brazilian (see Oil, ocotea cymbarum)
domestic, USP, cns., dms..lb. 1.80 - 2.20
Savin, cns .....lb. 2.75 3.00
Savory, cns. .....lb. No stocks.

Oil, sesame, refd., dms., l.c.l....lb. .38 - .39
Shingle stain, tar distillate, dms., c.l., works.....gal. .31 - —
l.c.l., works.....gal. .33 - —
tanks, works.....gal. .30 - —
Snakeroot, Canada, cns.....lb.31.00 -40.00
Soybean, crude, tanks, mills..lb. .12½- —
foots, acid, 95%, tanks, N. Y..lb. .06¼- —
raw, 50%, tanks, same basis, lb. .02¾- —
refined, alkali, dms., c.l.....lb. .1623- —
l.c.l. .....lb. .1673- .1723
tanks .....lb. .1523- —
clarified, dms., c.l.....lb. .1548- —
l.c.l. .....lb. .1598- .1648
tanks .....lb. .1448- —
salad, dms.....lb. .1775- .1800
tanks .....lb. .1525- —
Spearmint, USP, dms.....lb. 7.25 - 8.75
Sperm, bleached, winter, 45°, dms..lb. .1830- .1880
tankcars .....lb. .1720- —
natural, winter, 45°, dms....lb. .1710- .1760
tankcars .....lb. .16 - —
Spruce, cns., dms.....lb. 2.20 - 3.15
Sweet birch, USP, Northern, cns. lb. 4.95 - 8.00
Southern, cns. .....lb. 2.00 - 3.50
Tall, crude, tanks, works.....lb. .03 - .03¼
refined, dms., c.l., works.....lb. .06½- .07½
l.c.l., works.....lb. .06¾- .07¾
tanks, works.....lb. .05¼- .06¼
Tallow, acidless, dms.....lb. .11½- .13
Tansy, dms.....lb. 8.60 - 9.00
Tar, pine, com'l, dms., extra, c.l., works..lb. .0488- —
l.c.l., works .....lb. .0545- —
whse. .....lb. .0655- —
tanks, works .....lb. .041 - —
rectified, N.F., l.c.l., dms. ex tra, works, South gal. .67 - —
whse. N.Y.C. .....gal. .77 - —
Tar acid (see T).

Oil, theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms.....lb. 1.95 - 3.75
white, cns.....lb. 3.25 4.00
Tung, dom., tanks, mills.....lb. .37¼- —
imported, dms., c.l.....lb. .39½- —
l.c.l. .....lb. .40 - —
tanks .....lb. .38¼- —
Turkey red (see oil, castor, sulphonated)
Turpentine, NF, cns., dms.....lb. .32 - .63
Vetiver, Bourbon, cns.....lb.22.50 -25.50
Haitian, cns.....lb.22.00 -26.00
Java, cns.....lb.35.00 —
Wheat germ, 5-gal. dms....gal.10.80 -13.80
White, mineral, tech., 50-65% vis., dms. c.l., N.Y. gal. .54½- .57½
l.c.l., same basis .....gal. 60½- .62½
65-75 vis., dms., same basis, gal. .55½- .58½
l.c.l., same basis .....gal. .61½- .63½
NF, 80-90 vis., dms., c.l., same basis gal. .56½- .59½
l.c.l., same basis .....lb. .62½- .64½
125-135 vis., dms., c.l., same basis gal. .62½- .65½
l.c.l., same basis .....gal. .68½- .70½
145-155 vis., dms., c.l., same basis gal. .69½- .71½
l.c.l., same basis .....gal. .75½- .76½
175-185 vis., dms. c.l., same basis gal. .72½- .76
l.c.l., same basis .....gal. .78½- .81
USP, 200-210 vis., dms., c.l., dms., c.l., same basis.. gal. .75½- .78
l.c.l., same basis .....gal. .81½- .83
345-355 vis., dms., c.l., same basis gal. .80 - .83
l.c.l., same basis .....gal. .86 - .88

Oil, wintergreen, USP, nat., Northern, cns. .....lb. 5.75 -14.50
Southern, cns.....lb. 3.25 -19.50
synthetic (see Methyl salicylate)
Wood (see Oil, tung).
Wormseed, NF, cns.....lb. 7.00 - 8.50
Wormwood, cns .....lb. 6.60 - 7.50
Ylang-ylang, Bourbon, bots....lb.18.00 -30.00
extra, bots .....lb.25.00 -40.00
Madagascar bots .....lb. No stocks.
Oleostearin, bbls.....lb. .18½- —
Olivine aggregate, c.l., mines....ton. 7.00 - 9.50
crushed 8 mesh, bulk c.l...works ton.10.00 - —
paper, bgs., c.l. works...ton.12.00 - —
Opium, USP, cns.....lb.19.20 -19.45
gran., USP, cns.....lb.21.65 -21.90
powd., USP, cns.....lb.21.65 -21.90
Orange, cadmium, lithopone, bbls. frt. alld. E. of Rockies lb. 1.65 —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C. & of Miss. R., includ. Davenport, Fenn. and N. C. E of Minneapolis, Rock Island St. Louis St. Paul lb. .22 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport) 1¼c Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroanilin toner.....lb. 1.30 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld...lb. .2490- .2492
Molybdated, bbls .....lb. .45 —
Orthonitroanilin toner, kegs....lb. 1.15 - —
Persian, bbls .....lb. .65 - —



FOR Superior FLAVOR

FOR Unmatched CLARITY

FOR Consistent UNIFORMITY

8 OUT OF 10 BUY...

EXCHANGE OIL of LEMON

When any product sells four times as well as all of its competition combined, that's a sure sign of quality. No product can hold such a dominant sales position year in and year out unless it fulfills all of the exacting requirements of thousands of quality-conscious buyers. Exchange Oil of Lemon does just that...with a consistency and regularity that have made it the standard in its field. So little Lemon Oil goes so far, why risk buying anything but the best?

Always specify it by the brand name when you order—

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FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

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180 Varick Street, New York 14, N. Y.

Exchange
OIL OF
LEMON
U.S.P.

CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT
ONTARIO, CALIFORNIA

Producing Plant:
Exchange Lemon Products Co.
Corona, California

Orange Flowers—Petrolatum, USP, White, Lilly

Orange flowers, bls. lb. .12 - .15
Peel, bitter, Haitian, bls. lb. .11 - .14
sweet, bls. lb. .14 - .16
Oregano, Italian, bgs. lb. .14 - .18½
Mexican, bgs. lb. .18½ - .19
Portuguese, bgs. lb. .15 - .15½
Orris root, Florentine, bls. lb. .20 - .22
powdered, bbls., bxs. lb. .25 - .26
Verona, bls. lb. .14 - .15
powdered bbls. bxs. lb. .19 - .24
Orthoaminobiphenyl, dms., c.l., works lb. 32½ - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .37 - —
Orthoanisidin bbls lb. .88 - —
Orthochloroaniline, dms., 10,000 lbs. or more lb. .65 - —
smaller lots lb. .75 - —
Orthochlorabenzaldehyde, d m s. works lb. 1.18 - —
Orthochloroparanitroaniiin, d m s., divd lb. .86 - —
Orthochlorophenol dms., c.l., frt. equald lb. .34½ - —
l.c.l., same basis lb. .35½ - —
Orthocresol, pure, 30° C. non-ret.; dms., c.l., frt. equald lb. .198 - —
l.c.l., same basis lb. .201 - —
ret. dms., c.l. same basis lb. .195 - —
l.c.l., same basis lb. .20 - —
29° C. non-ret. dms., c.l., same basis lb. .188 - —
l.c.l., same basis lb. .191 - —
ret. dms., c.l., same basis lb. .185 - —
l.c.l., same basis lb. .19 - —
24-29° C. non-ret dms., c.l., same basis lb. .178 - —
l.c.l., same basis lb. .181 - —
tanks, same basis lb. .165 - —

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies lb. .11¾ - .13¼
l.c.l., same basis lb. .12¾ - .14¼
tanks, same basis lb. .10¼ - .11¾
Orthoisopropyl N-phenylcarbamate (see IPC).
Orthonitroaniiin, dms. lb. .50 - .56
Orthonitrochlorobenzene, dms lb. .20 - .21
Orthonitrobiphenyl, tech. dms., c.l., works lb. .14½ - —
l.c.l. works lb. .15 - —
tanks, works lb. .13 - —
Orthonitroparachlorophenol ens lb. .75 - —
Orthonitropnenol, bbls. works lb. .94 - —
Orthonitrotoluene dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld. lb. .11 - —
tanks, frt. alld lb. .09 - —
Orthophenetidin, dms., works lb. 1.00 - —
Orthophenylphenol, fib. dms., works. lb. .20 - .44
Orthotoluidin, dms., c.l., works lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
Osage orange crystals, bbls., No. 1, l.c.l lb. .40 - —
extract, liquid, No. 1, bbls., l.c.l lb. .19 - —
Orthotolidin, (see Tolidine Base).
Ouabaine, USP, bots. gram. 3.00 - 4.00
Ox gall, dried, gran. or powd., dms., 5 lbs. and up lb. 4.33 - —
Oxyquinolin sulphate, ens., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works lb. 5.28 - 5.38

P

Pancreas substance, assay 1:75 bots lb. 5.75 - 6.25
Pancreatin, USP., bots. lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo. 90.00 - —
Papain, powd., NF, African, cs. lb. 6.45 - 9.00
Ceylon, cs. lb. 5.00 - 6.00
Papaverine natural or synthetic hydrochloride USP ens 1,000 oz. lots oz. 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulphate, ens. oz. 7.10 - 7.35
Paprika, Algerian, bgs. lb. .27 - .28
Czech, bgs. lb. .26 - .27
Moroccan, bgs. lb. .25 - .26
Spanish, bgs. lb. .34 - .40
Para-anisidin dms., works lb. .86 - —
Para-acetylaminobenzaldehyde thiosemicarbazone, dms., frt. adjusted lb. 17.50 - 21.00
Para-aminophenol, dms., frt. alld lb. .97 - .98
Parachloroaniiin, dms., frt. alld., E. of Miss lb. .75 - —
Parachlorobenzaldehyde, dms., works. lb. 1.34 - 1.37
Parachloro-orthonitroaniiin, dms., frt. alld lb. .73 - .82
Parachlorophenol, dms. c.l., frt. equald lb. .34½ - —
l.c.l., same basis lb. .35½ - —
Paracresol, 98%, dms., divd lb. .50 - —
Methylether, ens lb. 2.15 - 2.50
Paracymene, dms., works, 50 gals. or more gal. 2.50 - —
smaller lots gal. 3.00 - —
Paradibromobenzene, bgs. 500-lb. lots. lb. .55 - —
Paradichlorobenzene, dms., c.l., works lb. .14½ - .15½
l.c.l., same basis lb. .17 - .20

Paraffin, crude, scale, white, 128 AMP, solid, ctns., bbls., c.l., ref'y lb. .07 - —
tanks, same basis lb. .06 - —
fully ref'd, slabs, 122-124 ASTM, loose, c.l., ref'y lb. .0745- —
125-127 ASTM, loose, c.l., ref'y lb. .0748- —
130-132 ASTM, loose, c.l., ref'y. lb. .0753- —
133-134 ASTM loose c.l., ref'y. lb. .0755- —
135-137 ASTM loose c.l., ref'y. lb. .0755- —
Paraffin prices in bags and ctns., c.l., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs., 3.7c. per lb. higher.
Paraformaldehyde, tech., 94-95%, powd., dms., c.l., N. Y. delivery lb. .16½ - —
works lb. .14½ - —
10,000 lbs., N. Y. delivery. lb. .18 - —
works lb. .15½ - —
1,000 lbs., N. Y. delivery. lb. .19 - —
works lb. .16½ - —
less than 1,000 lbs., N. Y., delivery lb. .21 - —
works lb. .18½ - —
91-92%, flake, fib. dms., c.l., N. Y. delivery lb. .14½ - —
works lb. .12½ - —
10,000 lbs., N. Y. delivery lb. .16 - —
works lb. .13½ - —
1,000 lbs., N. Y. delivery lb. .17 - —
works lb. .14½ - —
less than 1,000 lbs., N. Y. delivery lb. .19 - —
works lb. .16½ - —
USP, X, bgs., c.l., divd. N.Y.C. lb. 1.90 - 1.980
10,000 lbs. lb. .1975- .1960
1,000 lbs. lb. .1980- .2050
smaller lots lb. .2080- .2300
Paraldehyde, tech., 96%, 55 gals. dms., c.l., works lb. .13½ - —
l.c.l., works lb. .14½ - —
tanks, works lb. .12½ - —
Paranitroaniiin dms., c.l., works, frt. alld lb. .47½ - —
l.c.l., frt. alld lb. .50½ - —
Paranitrochlorobenzene, kgs. works. lb. .21 - .22
Paranitrophenol, kgs., works, frt. equald lb. .46 - —
Paranitrotoluene, kgs., frt alld lb. .36 - —
Paraphenetidin dms., works lb. .90 - —
Paraphenylenediamine, redistilled, dms., works lb. 2.30 - 2.80
tech., refd., dms., same basis lb. 1.10 - 1.30
Paraphenylphenol, bgs., c.l., works. lb. .37½ - —
l.c.l., same basis lb. .42 - —
Paratertiarybutylphenol, bgs., c.l., works lb. .27½ - —
l.c.l., same basis lb. .28½ - —
Parathion, spray powder, 15%, dealers, tins lb. .72 - —
tech., dms., works lb. 1.50 - —
lb. .52 - —
Paratoluenesulphonamide, bbls., works lb. .70 - —
flake, bbls., frt. alld lb. .64 - .66
solid, bbls., frt. alld lb. .61 - —
works lb. .25 - —
Paratoluidin, solid, bbls., frt. alld lb. .61 - —
flake, frt. alld lb. .64 - .68
Pareira brava root, whole, bgs. lb. .30 - .35
ground, bxs. lb. .40 - .48
powder, bxs. lb. .43 - .50
Paris green, dealer, distributor, dms., c.l., works, frt. alld. on 96 lbs. or over lb. .35 - .36
l.c.l., same basis lb. .39 - .67
Passion flower herb, bls. lb. .25 - .26
Peanut meal, 45%, sacked, mills, ton. 91.00 - 92.00
Pectin, citrous, NF, powd., bbls. lb. 2.05 - 2.06
tech., powd., bbls. lb. 1.50 - —
Penicillin crystalline potassium, unlabeled vials, 100,000 units vl. .102 - —
200,000 units vl. .15½ - —
500,000 units vl. .28 - —
1,000,000 units vl. .52 - —
2,000,000 units vl 1.00 - —
potassium, bulk, sterile, over 25,000,000,000 unit lots. 100,000 unit. 64 - —
tablet grade, over 25,000,000,000 unit lots 100,000 units. .03¼ - —
procaine, bulk, over 25,000,000,000-unit lots 100,000 units. .04 - —
sodium, unlabeled, vials, 100,000 units vl. .10¾ - —
200,000 units vl. .16 - —
500,000 units vl. .30½ - —
1,000,000 units vl. .57 - —
2,000,000 units vl. 1.03 - —
bulk, over 25,000,000,000 unit lots 100,000 units. .64 - —
Pennyroyal herb, bls lb. .45 - .50
Pentachlorophenol, dms., c.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .24 - .29
truckload, 20,000 lbs., min., same basis lb. .21¼ - —
Pentaerythritol, tech., bgs., c.l., works lb. .34 - —
l.c.l., works lb. .35 - .37
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial tanks, group 3. gal. .12 - .13¼
Pepper, black, spot, bags lb. 1.34 Nom.
Jan. shipment, bgs lb. 1.30 Nom.
Mar. shipment, bgs lb. 1.26 Nom.
Red, Carolina, longs, bgs lb. .30 - .31
Haitian, bgs lb. .27 - .28
Japanese hontakas, bgs lb. .35 - .36
birdseyes, bgs lb. .42 - —
Louisiana longs, bgs lb. .30 Nom.
Mombassa, bgs lb. .56 - .58
Mississippi sports, bgs., source. lb. .30 - .31
Turkish, bgs lb. .26 - .27
Nigerian, caps, bgs lb. .25 - .26
Sierra Leone, bgs lb. .46 - .47
Turkish, bgs lb. .26 - .27
White, bgs lb. 2.30 - 2.35
afloat lb. 2.25 - —
December shipment lb. 2.10 - —
Peppermint leaves, USP, dms., bls. lb. .50 - .52
imported bls lb. .80 - .90
Pepsin, NF, 1:3,000 bulk, containers lb. 3.75 - 3.90
Perchloroethylene, dms., c.l., or truckloads, works lb. .11 - —
dlvd. E lb. .13½ - —
l.c.l., works lb. .11¾ - —
dlvd. E lb. .14 - —
tanks, works lb. .10 - —
dlvd. E lb. .12½ - —
Peru, balsam, dms. lb. 1.90 - 2.40
Petrolatum, amber, dms., c.l., refy. lb. .05⅝ - .05¾
l.c.l., dlvd lb. .07½ - —
tanks, refy lb. .04½ - —
cream, dms., c.l., refy lb. .06⅞ - .07¼
l.c.l., dlvd lb. .09⅛ - —
tanks, refy lb. .05⅝ - —
extra, amber, dms., c.l., refy lb. .05⅝ - .05¾
l.c.l., dlvd lb. .07⅜ - —
tanks, refy lb. 04⅜ - —
USP, white lily, dms., c.l., ref'y lb. .07¼ - .07½
l.c.l., dlvd lb. .09½ - —
tanks, refy lb. .06 - —

WITCO CHEMICAL COMPANY • 295 MADISON AVENUE, NEW YORK 17, N. Y.

Sales Offices:
Akron • Amarillo • Boston • Chicago • Cleveland
Houston • Los Angeles • San Francisco
London and Manchester, England

from Witco's eight plants, season's greetings and best wishes for the new year

Petrolatum, USP, white, cream, dms., c.l., ref'y	lb.	.06½-	.07½
soft, dms., c.l., refy	lb.	.07½-	.07¾
l.c.l., divd	lb.	.09¼-	—
tanks, refy	lb.	.06¼-	—
snow, dms., c.l., refy	lb.	.07¾-	.08
l.c.l., divd	lb.	.10 -	—
tanks, refy	lb.	.06½-	—
yellow soft, dms., c.l., refy	lb.	.05½-	.05¾
l.c.l., divd	lb.	.07¼-	—
tanks, refy	lb.	.04½-	—
Petroleum, crude bulk, at wells, California	bbl.	1.10	2.99
Illinois	bbl.	2.44	2.87
Kentucky	bbl.	2.42	2.83
Louisiana-Arkansas	bbl.	2.08	2.90
Montana	bbl.	1.23	- 2.775
Oklahoma-Kansas	bbl.	2.16	- 2.65
Pennsylvania lower field	bbl.	3.82	- —
Upper field	bbl.	4.25	- —
Texas, East	bbl.	2.65	- —
Gulf coast	bbl.	2.38	- 2.95
North North-Central	bbl.	2.23	- 2.65
Panhandle	bbl.	2.23	- 2.65
West	bbl.	2.33	- 2.65
Wyoming	bbl	1.28	- 2.675
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery	bbl.	1.95	- 2.15
light, tanks, refinery	bbl.	2.00	- 2.25
eastern, tanks, Albany, N. Y.	bbl.	2.06	- —
Baltimore, Md.	bbl.	2.48	- —
Boston, Mass.	bbl.	2.51	- —
Charleston, S. C.	bbl.	2.34	- —
Jacksonville, Fla.	bbl.	2.31	- —
N. Y. Harbor	bbl.	2.45	- —
Norfolk, Va.	bbl.	2.43	- —
Philadelphia, Pa.	bbl.	2.48	- —
Portland, Me.	bbl.	2.54	- —
Providence, R. I.	bbl.	2.47	- —
Savannah, Ga.	bbl.	2.34	- —
Diesel, tanks, refinery, California	gal.	.0825-	.115
Pennsylvania	gal.	.0925-	.0975
Furnace, tanks, refinery, Arkansas, No. 2	gal.	.085 -	—
No. 3	gal.	.08125-	—
N. Y. Harbor, No. 2	gal.	.091 -	—
Group 3, No. 1	gal.	.09 -	.09375
No. 1, straw	gal.	.09 -	.09375
No. 2, straw	gal.	.08375-	.08750
range	gal.	.09125-	.09250
Pennsylvania western, No. 1	gal.	.1075-	.11625
No. 2	gal.	.1025-	.1075
No. 3	gal.	.1025-	—
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b., Los Angeles	lb.	.167 -	.207
East coast, tanks, N. J. and N. Y. refinery	gal.	.18 -	—
group 3, benzol-type, tanks, refinery	gal.	.13125-	.13625
toluol-type tanks refinery	gal.	.12125-	.12625
Mineral spirits, California, tanks, ex tax, f.o.b. San Francisco	gal.	.157 -	.197
East coast tanks N. J. N. Y.	gal.	.16 -	—
group 3, tanks	gal.	.10875-	—
tankwagon, Baltimore	gal.	.155 -	—
Boston	gal.	.165 -	—
Buffalo	gal.	.185 -	—
Newark	gal.	.17 -	—
New York	gal.	.165 -	—
Philadelphia	gal.	.155 -	.160
Pittsburgh	gal.	.19 -	—
Providence	gal.	.165 -	—
Rochester	gal.	.20 -	—
Syracuse	gal.	.21 -	—
Washington, D. C.	gal.	.195 -	—
Naphtha, cleaners, East Coast, tanks, N. J. and N. Y. refinery	gal.	.16 -	—
Group 3, tanks	gal.	.11875-	—
tankwagon, Newark	gal.	.16½-	—
New York	gal.	.17 -	—
Philadelphia	gal.	.16 -	—
high-flash, 140° F, group 3, refinery, tanks	gal.	.12 -	.145
high-solvency, 200-285 b.r., 37-38° C., mixed anilin pt., tanks, refinery or East coast	gal.	.25½-	—
25-26° C., m.a.p. tanks, same basis	gal.	.24 -	.30½
270-370 b.r., 78-81° C, a.p., tanks, same basis	gal.	.29 -	—
49° C., m.a.p., tanks, same basis	gal.	.32 -	—
26-27° C., m.a.p. tanks, same basis	gal.	.24 -	.33
300-400 b.r., 28-32°C., m.a.p., tanks, same basis	gal.	.24 -	.30½
340-410 b.r., 36° C., m.a.p., tanks, same basis	gal.	.24 -	—
32° C., m.a.p., tanks, same basis	gal.	.24 -	—
27° C., m.a.p., tanks, same basis	gal.	.34½-	—
350-425 b.r., 32° C., m.a.p., tanks, same basis	gal.	.30½-	.31½
V.M.&P., tanks, refy., California, 245-360 b.r., Los Angeles	gal.	.147 -	—
Portland, Ore.	gal.	.158 -	—
San Francisco	gal.	.152 -	—
Seattle, Wash.	gal.	.158 -	—
East coast, N. J., N. Y., tanks	gal.	.17 -	—
Group 3, tanks	gal.	.11875-	—
tankwagon, Boston	gal.	.195 -	—
Newark	gal.	.185 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.165 -	.170
Pittsburgh	gal.	.20 -	—
Solvent, rubber, California, tanks, ex tax, San Francisco	gal.	.152 -	—
East coast, N. J., N. Y.,	gal.	.17 -	—
Group 3, tanks	gal.	.11875-	—
tanks	gal.	.1225-	—
Stoddard, California, tankwagon, ex-tax, Los Angeles	gal.	.157 -	.197
East coast, N. J., N. Y., tanks	gal.	.16 -	—
Group 3, tanks	gal.	.11375-	—
Pennsylvania, western, tanks	gal.	.14 -	—
tankwagon, Boston	gal.	.18 -	—
Newark	gal.	.17 -	—
New York	gal.	.17 -	—
Philadelphia	gal.	.16½-	—
Pittsburgh	gal.	.15 -	—
Syracuse	gal.	.21 -	—
Sulphonate, 70% sulphonic content, non-ret. dms., c.l., works	lb.	.2040-	—
l.c.l., works	lb.	.2065-	—
tanks, works	lb.	.1850-	—
60-62% sulphonic content, non-ret., dms., works	lb.	.1865-	—
l.c.l., works	lb.	.1890-	—
tanks, works	lb.	.1675-	—
50-55% sulphonic content, non-ret., dms., works	lb.	.1590-	—
l.c.l., works	lb.	.1615-	—
tanks, works	lb.	.14 -	—
Phenobarbital, USP, dms., 100 lbs.	lb.	4.50	- 4.70
Phenobarbital-sodium, USP, dms	lb.	4.50	- 4.70
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. E. of Rockies	lb.	.18½-	—
l.c.l. same basis	lb.	.19¼-	—
tanks same basis	lb.	.16¾-	—
82-84% (cresol, 16-18%), dms., c.l. same basis	lb.	.18½-	—
l.c.l. same basis	lb.	.19¼-	—
tanks, same basis	lb.	.16¾-	—
Phenol, USP, synthetic, dms., c.l., same basis	lb.	.21 -	.21¼
l.c.l., same basis	lb.	.21¾-	.22
tanks, same basis	lb.	.19¼-	.19½
tar, distilled, dms., c.l., same basis	lb.	.19 -	—
l.c.l., same basis	lb.	.19¾-	—
tanks, same basis	lb.	.17¼-	—
Phenolphthalein, USP, or yellow bbls., dms., 2,000-lb. lots.	lb.	1.10	- —
smaller lots	lb.	1.12	- 1.17
Phenothiazin, NF, fib. dms., c.l., frt. adjusted	lb.	.50	- —
over 2,100 lbs., same basis	lb.	.52	- —
less than 2,100 lbs., same basis.	lb.	.54	- —
Phenyl acetate, dms., 100 lb. lots, works	lb.	.50	- —
Isocyanate, dms., works	lb.	2.00	- —
Salicylate (see Salol)			
Phenylacetaldehyde solution, 50%, bots	lb.	2.40	- 2.70
100%, bots	lb.	4.00	- 4.65
Phenylacetamide 125-lb dms., works, lb. lots	lb.	1.25	- —
smaller dms., works	lb.	1.30	1.60
Phenylalanine dextro isovo. dms. works	lb.	27.00	-37.50
Phenylcarbethoxy pyrazolone, 250 lb. fib. dms., divd. E	lb.	3.60	- —
less than 250 lb. dms., divd. E	lb.	4.00	- —
Phenyldiethanolamine, dms. c.l., works	lb.	.43	- —
l.c.l., works	lb.	.44	- —
Phenylethanolamine, dms., c.l., works	lb.	.67½-	—
l.c.l., same basis	lb.	.68½-	—
Phenylethyl acetate, dms	lb.	1.50	1.90

Petrolatum, USP, White, Cream—Pilocarpine Nitrate

Phenylethylphenyl acetate, bots	lb.	3.85	- 4.50
Phenylhydrazin base, CP bots	lb.	3.00	3.07
Hydrochloride, commercial, kgs., works	lb.	1.75	- —
CP, bots, works	lb.	5.12	- —
Phenylmethylpyrazolone (see Methylphenylpyrazolone)			
Phloroglucinol, com'l, fib. dms., works	lb.	7.00	- —
C.P., bots., fib. dms	lb.	16.00	17.75
tech., fib., dms. works	lb.	10.45	- —
Phosgene, 150-lb. cyls., works	lb.	.27½-	—
Phosphate defluorinated (see under D)			
Phosphate rock, Curacao, Atlantic ports	ton.	40.00	- —
Florida, land pebble, run-of-mine, washed, dried underground, bulk, c.l. mines, 70%-68%, b.p.l., c.l., same basis	long ton	4.35	4.40
72%-70%, b.p.l., c.l., same basis	long ton.	5.00	- —
75%-74%, b.p.l., c.l., same basis	long ton.	6.00	- —
77%-78% b.p.l., c.l., same basis	long ton.	7.00	- —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum, bulk, c.l., mines	short ton.	4.93	- —
68% b.p.l., basis 31% P_2O_5 minimum, mines	short ton	5.28	- —
70% b.p.l., basis 32% P_2O_5 minimum, mines	short ton.	5.83	- —

plus or minus usual bonus adjustment clause for oil and labor. Prices on entirely pebble, 5uc. per long ton higher than above quotations.

Phosphate rock, Tennessee, brown, run-of-mine, unground, 27-28% P_2O_5, c.l., mines	long ton.	6.45	- —
30-29% P_2O_5, c.l., mines	long ton	7.21	- —
Phosphorus, red, amorphous, cs., works	lb.	.42	- —
dms., works	lb.	.39	- .40
Yellow cns	lb	30	37
dms. c.l.	lb	26	—
Oxychloride, dms., c.l., works	lb.	.14	- .17
l.c.l., dms., works	lb.	.15	- .18
tankcars, works	100 lbs.	11.85	- —
Pentasulphide, dms., c.l., works	lb.	.12	- —
l.c.l., dms., works	lb.	.13	- .14
Pentoxide, dms., c.l., works	lb.	.12	- —
c.l. works	lb.	.13	- .14
Sesquisulphide, tins, cs, works	lb.	.28	- .29
dms., export	lb	33½	.36
Trichloride, dms., c.l., works	lb.	.14	- —
l.c.l. works	lb	.15	- .18
tankcars, works	100 lbs.	11.85	- —
Phthalic anhydride, bgs., c.l., works, frt. equald	lb.	.22	- .22½
l.c.l., same basis	lb.	.23	- .23½
tanks, same basis	lb.	.22	- —
Bbls. ½c. per pound higher.			
Phthalimide bbls. works	lb.	1.10	1.37
Phthalylsulphacetamide, fiber dms., 100 lbs	kilo	13.20	- —
Pichi leaves, bgs	lb.	.16	.17
Picoline (see Alphapicoline and Betapicoline)			
Pilocarpine hydrochloride, NF bots	oz	5.75	6.22
Nitrate, USP, bots., vials	oz	5.70	6.20

Pimento—Skullcap Herb

Pimento, Guatemala, bgs. lb. .20 - .20¼
Jamaica, bgs. lb. .26 - .28½
Mexican, bgs. lb. .16 - .16½
Pinetar retort, dms., extra, c.l., works lb. .0488- —
l.c.l., same basis lb. .0545- —
whse. lb. .0655- —
tanks, works lb. .041 — —
Pinkroot, bls lb. 1.75 1.80
Piperidine, 95%, dms, frt. equald. lb 1.65 1.93
98% dms, same basis lb 1.72 2.60
Piperonyl butoxide, dms., dlvd. E lb. 5.00 - 5.30
Cyclonene, dms., dlvd. E lb. 4.20 - 4.50
Piperazine hexahydrate, bags kilo 9.00 -10.00
Pipissawa herb (see Prince's pine)
Pitch, burgundy, domestic, dms, mc., c.l., l.c.l., works 100 lbs.10.09 -10.54
Coaltar 150° F m.p. bbls., c.l., works ton.37.00 —
l.c.l. works ton.37.00 -39.00
Cottonseed, dms., works lb. .07½- .08
Hardwood, paper bgs., c.l., works. lb. .02 - —
Linseed, dms. lb. .06½- .07
Petroleum (see Asphalt, petroleum).
Pine, dms, inc. l.c.l., works, South 100 lbs. 7.50 - —
Soybean, dms., works lb. .05½- .06
Tall, dms., works lb. .05¼ .06
Plaster of Paris (see Gypsum)
Platinum metal, works oz.90.00 -93.00
Pleurisy root, bls lb. .40 - .45
Podophyllum resin, NF, dms lb.14.70 -15.45
Pokeroot, bls lb. .18 - .20
Polyoxyethylene sorbitan monostearate dms, 20,000 lbs., works lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
tristearate, dms., 20,000 lbs., works. lb. .43 - —
10,000-20,000 lbs., works lb. .45 - —
smaller lots, works lb. .48 - .50
Polystyrene, colors, special, bgs., over 30,000 lbs., frt. alld. lb. .35½- .36
10,000-19,999 lbs., same basis lb. .36 - .36½
5,000-9,999 lbs., same basis. lb. .37½- .38
standard, bgs lb. .35½- .36
crystals, heat-resistant, bgs., c.l., l.c.l. lb. .34 - .34½
standard, bgs., c.l., l.c.l. lb. .32½- .33
Polystyrene in non-returnable fiber dms., ½c. per lb. higher.
Pomegranate root bark, bgs lb. .60 - .65
Poppy flowers, bgs lb. .60 - .65
Seed, Argentine, bgs. lb. .14½- .15
Czech, bgs lb. .16 Nom.
Dutch, bgs lb. .16½- .17
Polish, bgs., afloat lb. .16 - .16½
Turkish, bgs lb. .14¾- .15
Potash, caustic, low-chloride, flake, 85% basis 90% KOH, dms., c.l., works 100 lbs.10.00 - —
l.c.l., works 100 lbs.10 75 - —
liquid, 45%, dms., c.l., works 100 lbs. 4.625 - —
l.c.l. works 100 lbs 5.125 - —
tanks, works 100 lbs 4.30 - —
solid, 90% dms., c.l., works 100 lbs 9.40 - —
l.c.l., works 100 lbs.10 15 - —
regular, flake, 88-92%, dms., c.l., works 100 lbs. 8.50 - —
l.c.l works 100 lbs 9.25 - —
liquid, 45% basis, dms., c.l., works 100 lbs. 3.575 - —
l.c.l., same basis 100 lbs 4.65 - —
tanks, same basis 100 lbs 3.55 - —
solid, 88-92%, dms., c.l., works 100 lbs. 7.90 - —
l.c.l., same basis works. 100 lbs. 8.65 - —
Potassium abietate dms lb 08 - —
Acetate, NF, dms lb .31 - .36
Bicarbonate, USP gran., dms lb. .22 - —
powd., dms lb. .24 - —
Bichromate, bgs., c.l., works lb. .14 - —
l.c.l., same basis lb. .14¼- .15
Potassium bichromate in drums ¼c. higher.
Bitartrate (see Cream of tartar).
Borate, gran., bgs., c.l., works ton.190.00 - —
ton lots, ex whse ton.253.00 - —
less ton lots, ex whse ton 258.00 - —
Potassium borate in bbls. $24.50 per ton higher.
Bromate, bbls, 1,000 lbs or more. lb. .50 .52
25-200-lb lots lb .55 .57
Bromide, USP, cryst, gran., bbls. kgs lb. .34 .37
Carbonate, tech., calcined, bbls., c.l., works 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs 9.30 - —
hydrated, 83-85%, bbls., c.l., works 100 lbs. 6.75 - —
l.c.l. works 100 lbs 7.50 - —
USP, gran., bbls., dms lb .16½- .18
powd, bbls, dms lb .21 - .23
Chlorate, cryst., dms., c.l., works. lb. .10 - —
l.c.l., works lb. .10¾ - .11¼
powd., dms., c.l., works lb. .10¾- —
l.c.l., works lb .10¾ .11¾
export, dms, 1 to 10 tons, works lb. .13 - .13¾
NF, gran, dms lb .31 .33
Chloride, USP, cryst., dms lb .26 .27
gran, dms lb .20 .22
powd, dms lb .29 .32
Chromate, tech, bgs lb. .32 - .36
Citrate, USP, gran., dms lb. .37½- .38¼
powder, dms lb 40½ 41¼
Cyanide, dms., works lb. .55 - —
Fluoborate, fib, dms., c.l., works. lb. .26 - —
l.c.l., works lb. .27 - —
Fluoride, dms, works lb .24 - —
Gluconate, dms lb. .75 - .79
Glycerophosphate, 75% solution, chys lb 2.15 2.25
Guaiacolsulphonate, NF, dms lb. 2.10 - 2.30
Hydroxide, tech, see Potash caustic)
USP, pellets 100 lb. dms, 1 to 100 dms lb 31½- .36
Hypophosphite, NF, ton lots or less, fib dms lb 1.00 1.03
Iodide, dms lb 2.15 2.20
Manure salt, 22% K_2O bulk, mines unit-ton .21 —
Metabisulphite, gran, bbls lb .21 - —
powd, bbls lb .25 - —
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M. unit-ton .42 - —
From Utah unit-ton 50½- —
50-51 K_2O, paper bgs., Carlsbad, N. M ton.25.75 - —
Nitrate (see Saltpeter).
Oxalate, neutral, tech., fine gran., bbls., dms lb .30 - .32
purified, dms lb .42 .44
Perchlorate, dms., c.l., works lb. .14 - —
l.c.l. works lb .14¼ .15½
Permanganate, tech., dms., works. lb. .22½- .23¼
USP, dms, works lb 24¼ 25¼
Persulphate, dms., c.l., works lb. .18 - .19
l.c.l., works lb. .20 - .23
Phosphate, tetrabasic, bbls., works. lb. .13 - .13½

Potassium prussiate, red, kgs. lb. .60 - .63
yellow, dms, ton lots lb. .22½- —
smaller quantities lb. .23 - —
kegs lb. .26 - —
Silicate, glass, bgs., c.l., works 100 lbs.14.70 - —
l.c.l. 100 lbs.15.20 - —
solution, 29° Be., ret. dms., c.l., works 100 lbs. 4.50 - 4.55
l.c.l., 5 dms or more, works 100 lbs 5.25 - 6.30
30° Be, ret. dms., c.l., works 100 lbs. 4.70 - —
l.c.l., works 100 lbs 5.20 - —
32.5° Be., ret. dms. c.l. works, 100 lbs. 4.85 - —
l.c.l., works 100 lbs 5.35 - —
40° Be., ret. dms., c.l., works. 100 lbs. 5.35 - —
l.c.l., works 100 lbs 5.85 - —
40.5° Be, ret. dms., c.l., works. 100 lbs. 6.00 - 6.75
l.c.l., 5 dms, or more, works 100 lbs. 6.75 - 7.50
1-4 dms, works 100 lbs. 7.25 - 7.90
Stannate, dms., frt. alld. E lb. .666 - .722
Silicofluoride, bbls., works lb. .10 - —
Sulphate, agricultural, 90-95% K_2SO_4, bulk, works, basis 90% ton.36.25 - —
NF VII, cryst., dms lb. .31 .33
gran, dms lb 18½ —
powder, dms lb .19 - —
Sulphocyanide, cryst., NF (see Potassium, thiocyanate).
Thiocyanate, NF, cryst., dms lb. .92 1.08
tech., works lb. .77 79
Titanate, ctns., c.l., works lb. .12½ —
5 tons, works lb. .12¾- —
1 ton or less, works lb. .13 - —
Potassium-magnesium sulphate bulk works basis 40% K_2SO_4, 18% MgO ton.16.00 - —
Potassium-sodium tartrate (see Rochelle salt)
Potassium-titanium fluoride, fib. dms., works lb. .35 .36
Potassium-titanium oxalate, bbls., cs., lb. .85 .95
Potassium-zirconium fluoride, fib. dms., c.l., works lb. .50 —
l.c.l., works lb. .52½ .55
Pregnenolone, bots. gm 1.50 1.75
Acetate, bots. gm 1.25 1.50
Prickly ash bark, bls. lb. .30 - .32
Berries, bgs. lb 70 75
Prince's pine herb, bls. lb. .55 - .60
Procaine hydrochloride, USP, dms., contract, 1,000 lbs. or more, works lb. 3.75 4.00
spot lb. 4.00 4.50
Progesterone, USP, 100 gms., bots gm. 2.25 - —
Propane, commercial grade, tanks group 3 gal. .04 - —
Propionaldehyde, dms., 5,000 lbs. or more, custom contract lb. .60 - —
Propyl aldehyde (see Propionaldehyde)
Gallate, dms., ton lots to 100 lb. lots, works lb 3.90 4.40
Parahydroxybenzoate, USP, dms lb 2.30 2.40
Propylene dichloride, dms., c.l. lb 08½ 09¼
l.c.l. lb 09½ 10½
tanks lb .07 .08
Oxide, dms., c.l., frt. alld. E lb 19½ 20½
l.c.l. frt. alld., E lb. 20½ 21½
tanks, frt. alld. E lb. 17½ 18½
Propyleneglycol, USP, dms., c.l., frt. alld., E lb. 20¼ 21¼
l.c.l., same basis lb. 21¼ 22¼
tanks, same basis lb. 18½ 19½
tech., dms., c.l. frt. alld. E lb. 19¼ 21¼
l.c.l., same basis lb. 20¼ 22¼
tanks, same basis lb. 17½ 18½
Propyleneglycol methylether, dms., c.l., frt. equald lb. 19½- —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .22 - —
Propylthiouracil, bots, 50 kilos or more kilo.55 00 —
smaller lots kilo 55 10 -55 30
Psyllium seed, black, bgs lb. .27 - .30
blonde, bgs lb. .19 - .20
husks, bgs lb. .50 - .55
Pulsatilla herb, bls lb. .40 - .55
Pumice, dom., grd. coarse, 0½, 1, 1½, 2, 3 bgs. ton lots. lb. 03½ 04
smaller lots lb. 03½ 04¼
Italian, silk-screen, coarse, bgs., ton lots lb .05½- —
fine, bgs. ton lots lb .04 - —
sun dried, coarse, bgs., ton lots lb .02½- —
fine, bgs., ton lots lb .02½- —
Pumice in bbls. is ½c. per lb higher.
Pumpkin seed, bgs lb. .18 - .20
Purple lake (see Red)
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls. works lb. .50 - —
powder, 1.3% pyrethrins, bbls., works lb. .71½- —
liquid (20 to 1) basis 2 grams pyrethrins per 100 cs. odorless basis, bbls. works gal.14.00 - —
(30 to 1), basis 3 grams pyrethrins per 100 cc., odorless base, bbls., works gal.20.80 - —
oleoresin, dewaxed, 20%, for aerosol bombs, dms., works lb.15.50 -16.00
Pyrethrin, synthetic (see Allethrin)
Pyridin, denaturing, dms., c.l., works, and frt. equald gal. 2.67 - —
l.c.l., same basis gal 2.70 - —
refd., 2°, non-ret. dms., c.l., same basis lb. .89½ 1.04½
l.c.l. same basis lb. .90 1.05
Pyridoxine hydrochloride, 100-gram bots gram .55 —
Pyrites long-ton. No prices.
Pyrocatechol (see Catechol)
Pyrogallol, NF lb. 3.25 - 3.43
Pyrophyllite, standard, 200 mesh, Bulk, c.l., mines ton.12.50 - —
230 mesh, bulk, c.l., mines.ton.13.50 - —
325 mesh, bulk, c.l., mines.ton.16.75 - —
No. 3, 200 mesh, bulk, c.l., mines. ton.11.00 - —
Insecticide grade, 200 mesh, bgs., c.l., mines ton.13.50 -14.00
rubber grade, 140 mesh, bgs., c.l., mines ton.13.50 - —
Standard and No. 3 pyrophyllite in paper bgs., $3 to $3.50 per ton extra.
Pyroxylin, USP, bots lb 0.34 - —
Scrap, opaque amber, cs., works lb. .22 - —
black, cs., works lb. .16 - —
mixed, mottled, cs., works lb. .15 - —
white, china, ivory, cs., works. lb. .17 - —
dense, cs., works lb. .17 - —
translucent, pastels, cs., works. lb. .18 - —
transparent, colorless, cs., works. lb. .23 - —
colors, cs., works lb 17 - —
shavings, opaque amber, cs works lb. .18 - —
mixed, colors, cs., works lb. .17 - —

Q

Quassia chips, bls lb. .08 - .09
Quebracho extract, clarified, grd., 70% tannin bgs. c.l., lb. .16½- .16¾
liquid, 35% tannin, bbls., works, tanks, same basis lb. .08¼- —
solid, clarif., 64% tannin, bgs., c.l., ex dock, duty extra, lb. .12½- —
ordinary, 63% tannin, bgs., c.l., same basis lb. .11 31/64
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.
Queen of the meadow root, bgs lb. .20 - .25
Quercitron, crystals, No. 1, bbls., l.c.l lb. .40 - —
Extract, No. 1, liquid, bbls., l.c.l., lb. .19 - —
Quicksilver, (see Mercury)
Quince seed, bgs lb. .80 - 1.50
Quinidine, NF V, cryst., cns., 100-oz. lots oz. 1.90 - —
powd. precip., cns., 100-oz. lots oz. 1.85 - —
Sulphate, USP, cns., 100-oz. lots oz. 1.25 - —
Quinine, NF cns., 100 ozs. oz. .70 - —
Bisulphate, USP, cns., 100 ozs. oz. .51 - —
Dihydrochloride, USP, cns. oz. .70 - —
Ethylcarbonate, NF, cns., 100 ozs. oz. .75 - —
Hydrobromide, NF, cns., 50-oz. cns. c.. .63 - —
Hydrochloride, USP, cns., 100 ozs. oz. .63 - —
Phosphate, NF, cns., 100 ozs. oz. .76 - —
Salicylate, NF, ctns., 100 ozs. oz. .66 - —
Sulphate, USP, cns., 100 ozs. oz. 56½- —
Quinine and Urea hydrochloride, NF, cans oz. .68 - —
Quinolin, ret. dms. c.l., frt. equald. lb. .60¾- —
l.c.l., same basis lb. .61¼- —
tanks, same basis lb. .60 - —

R

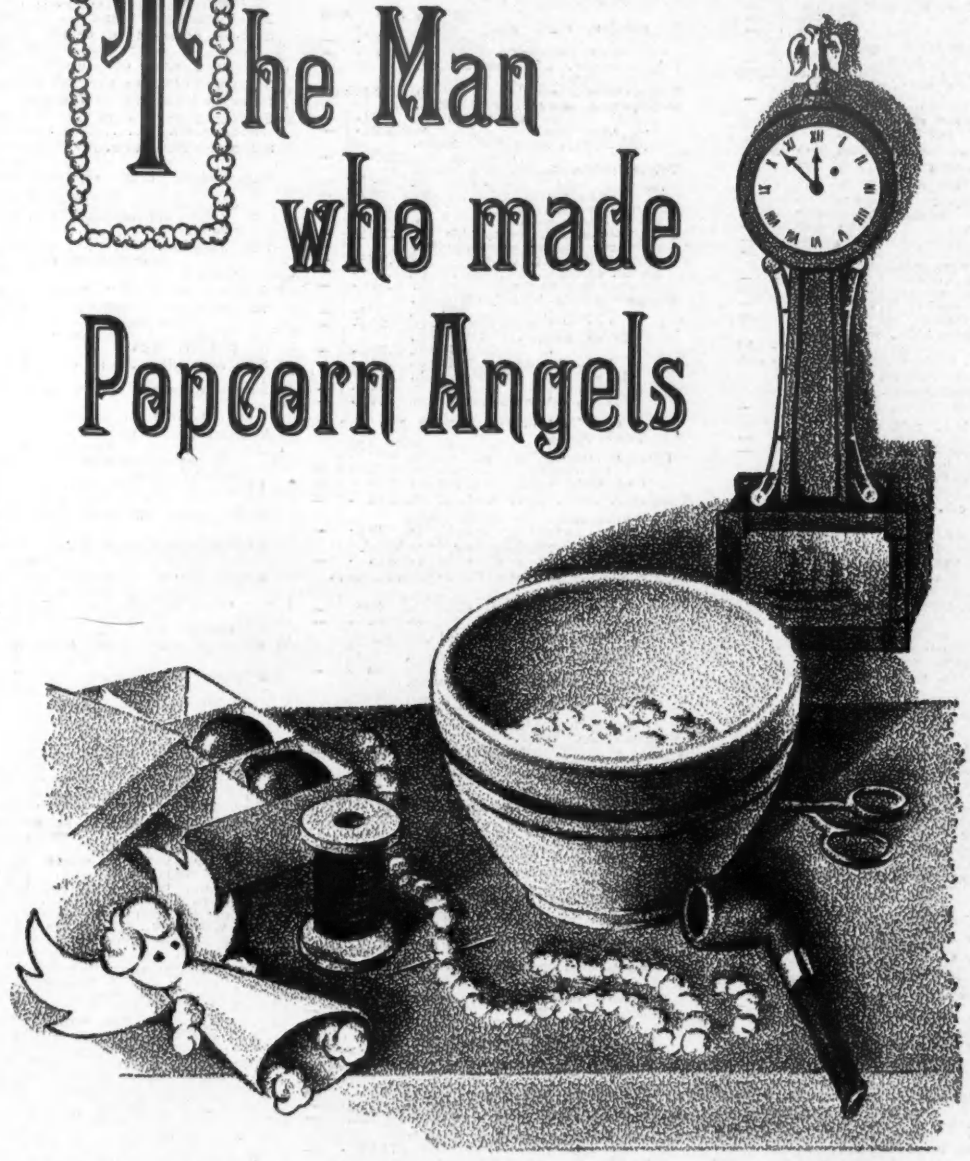
R salt, paste, dry basis, dms., frt. alld lb. .87 - —
Raspberries, dried, bbls lb. 1.25 - 1.30
Red, BON, arylid, deep shades, lbls. lb. 3.60 - —
light, medium shades, bbls. lb. 2.75 - —
maroons, pure, bbls lb. 1.75 - —
resinated, bbls lb. 1.50 - —
Cadmium, CP, dark shade, bbls., frt. alld E. of Rockies.lb 4.60 - —
light shade, bbls, same basis. lb. 4.20 - —
medium shade, bbls, same basis lb. 4.50 - —
medium-light shade, bbls., same basis lb. 4.30 - —
orange shade, bbls, same basis lb. 3.80 - —
lithopone, deep shade, bbls., same basis lb. 1.85 - 1.90
light shade, bbls., same basis. lb 1.75 - —
maroon shade, bbls., same basis lb. 2.00 - 2.10
medium shade, bbls, same basis lb 1.85 - —
medium-light shade, bbls., same basis lb. 1.80 - —
orange-red shade, bbls., same basis lb. 1.70 - —
Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb higher; all prices are 1c per lb higher ex whse Los Angeles and San Francisco
Carmine, No. 40 (see Carmine)
Crocus martis (see Red, maroon iron oxide)
Dyes (see Dyes, sulfur)
Eosin toner, bbls., works lb. 1.60 - —
Indian, com. pure, bgs., Bethlehem Easton & St. Louis, N. Y lb. .12½ —
Iron oxide, synth., bgs lb. .1225- .125
75%-85% copperas oxide bgs., l.c.l. Bethlehem Pa. Copley O.; Easton Pa.; E. St. Louis lb. .05¼ .09¼
special, high color all shades, bgs lb. .60 - —
Lake C, toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol toner, bbls, works lb .85 - —
rubin toner, resinated, bbls., works lb. 1.40 - —
pure, bbls., works lb. 1.50 - —
Virginia, bbls., works lb. 1.40 - —
Maroon, toner, BON arylid, dlvd lb. 3.60 - —
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
MNPI toner, bgs, works lb 3.60 - —
Maroons in smaller pkgs 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works lb 4.33 - —
smaller lots, works lb 4.24 - —
Metallic, bbls, works lb 02½- .02¾
Oxide (see Red iron oxide).
Persian, ppt, bgs works lb .06¾ .07
Para toner, bbls lb .85 - —
Chlorinated, kegs lb 1.10 - 1.15
Phloxin (one) (see Red, eosin toner)
Rhodamine, molybdated, PMA, kegs lb 4.90 - —
tungstated, PTMA, works, kegs. lb. 5.85 - —
Spanish, oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb .06 - —
ex whse., New York lb .06½- —
Toluidin toner, deep shades, kgs., works lb. 1.45 - —
light shades, kegs, works lb. 1.45 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls, frt equald lb 24½ 25
Venetian, 15%, bgs., works lb. .0350- .0375
20% bgs., works lb. .04 - —
25% bgs., works lb. .0450- —
30% bgs., works lb. .0475- —
35% bgs., works lb 05 - —
40% bgs, works lb .0525- —
Vermilion, Amer., bbls lb .32 - —
Quicksilver, ctns. lb. 3.86 - —
Watchung, bbls lb 1.95 - —
Red KB base (see Chloro (4)-2-toluidine).
Red precipitate, NF, powd., fib dms lb. 4.37 - 4.39
Red saunders wood, powd, bbls lb .50 - —
Rennin, NF, powder lb 6.25 - —
Resorcinol, tech., grade, dms., c.l., works. lb. .82½- —
l.c.l., works lb. .83¼- —
USP, cryst, dms., works lb 2.75 - —
powd., dms., works lb 2.95 - —
Resorcinol, monoacetate, NF, dms., lb. 3.25 - 3.45
Rhatany root, bgs lb 15 .16
Rhodinol, 5-lb. cans lb.48.00 -56.00
Rhubarb root, China, whole, cs lb. .70 - 1.25
powd., bbls. lb. .75 - 1.50
India, whole, bgs lb. .30 - .35
powdered, bbls lb. .35 - .40
Riboflavin USP, bots., dlvd kilo 125.00 - —
Readily soluble, bots, dlvd kilo 125.00 - —
Rice bran concentrate, dms., Cedartown, Ga. lb. .79 - —
Rochelle salt, USP, gran., powd., dms., 5,000 lbs lb. .33½ —
smaller lots lb. .34 .39
Rose flowers, pale, bls. lb. .45 - .50
Rosemary flowers, bls lb. 1.55 1.65
Leaves, French, bls. lb. .10½- .11
Portuguese, bls. lb. .07 - .07½
Spanish, bls. lb. .08 - .08½
Rosin gum (see Naval Stores, Protective Coatings market)
Wood, B, dms., c.l., works 100 lbs. 4.00 - —
FF, dms., c.l., works 100 lbs. 7.30 - —
G, H, I, dms., c.l., works 100 lbs. 8.25 - —
K, dms., c.l., works 100 lbs. 8.25 - —
M, dms., c.l., works 100 lbs. 8.25 - —
N, dms., c.l., works 100 lbs. 8.35 - —
WG, dms., c.l., works 100 lbs. 8.80 - —
WW, dms., c.l., works 100 lbs. 9.00 - —
X, dms., c.l., works 100 lbs. 9.10 - —
Rotenone (CP bots. works ton 20.00 - —
tech. bbls. works ton 16.50 - —
Rottenstone, bgs. c.l., mines ton.40.00 - —
l.c.l., mines ton.48.00 - —
Rue herb, bls lb .35 - .40
Rutin, 10 kilos fib dms. gram. .03 - .04
smaller lots, fib, dms. gram. .03 - .04
Ryania 100% powd. ngs. works lb. .20 —

S

Sabadilla seed, powd., bbls lb. .73 - —
activated ground with lime, bbls lb. .45 - .50
Saccharin, USP gran., soluble, dms., 1,000-lb. lots lb. 1.60 - —
smaller lots lb. 1 70 1.80
powd., soluble, insoluble, dms., 1,000-lb. lots lb 1.65 —
smaller lots lb 1.75 1.95
Safflower, Egyptian, bls lb 65 70
Saffron, Mexican, bls. lb. .90 - .95
Spanish, USP, tins lb.24.00 -27.00
Safrol, dms lb. 1.05 - 1.75
Sage, Cretan, bls. lb. .13 - .13½
Cyprus, bls lb. .09 - .11
Dalmatian, bls lb. .62 - .63
Greek, fancy, bls lb No stocks
Officinalis, Italian, bls lb. .34 - .35
Greek, bls. lb. .13 - .13½
Spanish, bls lb. .12 - .12½
Syrian, bls. lb. .13 - .13½
Turkish, bls. lb. .13 - .13½
Sago flour, refined, bgs. lb. .08¾- .09
unrefined, bgs lb. .07¼- .07½
Sal soda (see Soda sals.
Saligenin, ctns lb 14 00 -25.00
Salol, NF, gran., bbls., kgs. lb. 1.05 - —
fib, dms. lb 1.07 1.08
powdered salol, 10c. higher.
Salt, rock, burlap bgs., c.l., works. 100 lbs. 1.09 - —
l.c.l. 100 lbs. 1.30 - —
paper bgs., c.l 100 lbs. .94 - —
l.c.l. 100 lbs 1.15 - —
Table, vacuum common, fine, bgs., c.l., works 100 lbs. 1.09 - —
l.c.l., works 100 lbs. 1.20 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton.17.00 - —
Saltpeter, cryst, bbls., 10 tons 100 lbs.14.15 - —
smaller lots 100 lbs.14.40 -14.55
powd., bbls., 20 tons 100 lbs.10.25 - —
smaller lots 100 lbs.11 75 -12.25
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs.10.75 -11.25
NF, gran, dms lb 15¼ .17¾
Saltpeter in bags, 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sandalwood chips, East Indies, bgs., lb. .65 .66
powd, dms lb 75 76
Sanguinarine nitrate, tech oz 4.75 5.50
Santonin, NF., dom, dms., cryst., powd., cns lb.300.00 - 325.00 Nom.
imported, cryst., powd., cns kilo. No prices.
Saponin, No. 1, cns lb. 2.75 —
Sarsaparilla root, dom., bls lb. .45 - .50
Honduras, bls lb. .38 - .40
Mexican, bls lb. .22 - .25
Sassafras bark, ord., bls lb. .35 - .40
select, bls lb. .60 - .65
Savory, French, bls lb. .16 - .16½
Spanish, bls lb. .08½- .09
Saw palmetto berries, bgs. lb. .30 - .35
Scammony, resin, lump cns lb 1.95 2.10
powd, cns lb 2.05 2.30
Root, bgs lb. .10 - .14
Schaeffers salt, paste, dms., frt. alld. lb. .77 - —
powder, bgs., frt. alld lb. .80 - —
Scopolamine hydrobromide, bots.oz.16.00 -17.60
Hydrochloride, USP bots oz.84.00 - —
Seidlitz mixture, bbls. 5,000 lbs lb. .30½- —
smaller lots lb. .31 .33
Selenium, powd, dms, dlvd lb 3.25 - —
Senega root, bls lb. 2.45 - 2.50
Senna leaf, Alex., half-leaf, bls lb. .18 - .20
sifting, bgs lb. .14 - .18
Tinnevelly, No. 1, bls lb. .21 - .22
No. 2, bls lb. .19 - .21
No. 3, bls lb. .16 - .19
powdered, bls, bxs lb. .20 - .24
Pods, bls lb. .40 - .50
Serpentaria root, bls lb. 3.00 Nom.
Sesame seed, Indian, white, hulled, bgs lb. .24 - .24½
natural, bgs lb. .18 - .18½
Nicaragua, hulled, bgs lb. .24 - .30
natural, bgs lb. .16½- .17
Turkish, bgs lb. .15 - .15½
Shaeffer's salt, bgs., frt alld lb. .80 - —
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .56 - —
bbls., 1,500-lb lots lb. .57 - —
kgs., 1,500-lb. lots lb. .59 - —
refined, bgs., 1,500-lb. lots lb. .66 - —
bbls., 1,500-lb lots lb. .67 - —
kgs., 1,500-lb. lots lb. .69 - —
Bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.
Lemon, No. 1, bgs lb. .54 - .55
No. 2, bgs lb. .52 - .53
Superfine, bgs., 10 bgs lb. .48½- .51
TN, bgs., 10 bgs lb. .48 - .49
Shellac in 1 to 9 bgs., 1c. more.
Silica, amorph, dry-grd., 325 mesh, bgs., c.l., Ill., works ton.25.00 - —
l.c.l., works ton.30.00 -40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton.20.00 - —
l.c.l., works ton.25.00 -30.00
140 mesh, bgs., c.l., works ton.15.00 - —
l.c.l., works ton.20.00 - —
Tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works lb. .20 - .23½
Silver bullion, ingots, cs oz. .88 - —
Cyanide, fib, dms., 2,500-oz. lots, oz. .79½- —
1,000-oz. lots oz. .79½- —
500-oz. lots oz. .79½- —
100-oz lots oz. .79½- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .56¾- —
1,000-oz. lots oz. .57½- —
500 oz. lots oz. .58¼- —
250-oz. lots oz. .56¼- —
USP granular silver nitrate, 4c. per oz. higher.
Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF bots., dms., 1,000-oz. lots oz 1.00 - —
Simaruba bark, bls lb 85 Nom.
Skullcap herb, Eastern, bls. lb. .50 - .65
Western, bls lb. .30 .35

Skunk cabbage root, bls.	lb.	.35		Nom.
Slate flour, bgs., c.l., works	ton	11.00	-	12.00
l.c.l., ex whse.	ton	20.00	-	60.00
Sloe berries, bgs.	lb.	.24	-	.28
Smalt, black, ctns.	lb.	.15	-	—
Blue, ctns.	lb.	.18	-	—
Snakeroot, Canada, bls.	lb.	.75	-	.80
Soapbark, bls.	lb.	.27	-	.31
crushed bls. bbls.	lb.	.32	-	.35
powd., bbls.	lb.	.35	-	.37
Soda ash, dense 58%, paper bgs., c.l., works 100 lbs.		1.60	-	—
l.c.l., stock points 100 lbs.		2.85	-	4.62
bbls., c.l., works 100 lbs.		2.15	-	—
l.c.l. stock points 100 lbs.		3.35	-	4.12
bulk, c.l., works 100 lbs.		1.30	-	—
light, 58%, paper bgs., c.l., works 100 lbs.		1.50	-	—
l.c.l. stock points 100 lbs.		2.75	-	4.53
bbls., c.l., works 100 lbs.		2.05	-	—
l.c.l., stock points 100 lbs.		3.25	-	5.02
bulk, c.l., works 100 lbs.		1.20		—
Soda, caustic, flake, powd., 76%, c.l., works 100 lbs.		3.75	-	—
l.c.l. stock points 100 lbs.		4.95	-	6.77
liquid, 50% sellers' tanks, works, dry basis 100 lbs.		2.55	-	—
rayon-type, tanks, works, dry basis 100 lbs.		2.65	-	—
70% sellers tanks, works, dry basis 100 lbs.		2.63	-	—
rayon-type, tanks, works, dry basis 100 lbs.		2.75	-	—
solid, 76%, dms., c.l., works. 100 lbs.		3.35	-	—
l.c.l. stock points 100 lbs.		4.55	-	5.05
Sal bgs., c.l. works 100 lbs.		1.40	-	—
l.c.l., works 100 lbs.		1.70	-	—
Soda-lime USP dms.	lb.	.22		.25
Sodium acetate, anhyd., dms., c.l., works.	lb.	.12	-	—
l.c.l., dms.	lb.	.12¾	-	—
NF, gran. dms., works	lb.	.16		—
Alginate, refined, water soluble, bbls., works.	lb.	.83	-	—
semi-refined, bbls. works	lb.	.54	-	—
NF white powd. dms., works, ton lots	lb.	1.40	-	—
smaller lots	lb.	1.55	-	1.65
Aluminate, bgs., 20,000 lbs. or more 100 lbs.		8.50	-	—
smaller lots 100 lbs.		9.50	-	—
Antimoniate, bbls., c.l., dlvd. E	lb.	.40½	-	—
l.c.l., dlvd.	lb.	.41½	-	—
Arsenate, dealers, dms., c.l., works.	lb.	.12½	-	—
Arsenite, dealers, dms. works	lb.	.13½		Nom.
solution, dms. works	gal.	.70		1.10
Benzoate, tech., bbls., dms., 100 lbs. or more	lb.	.35	-	.39
USP, bbls. dms. 100 lbs. or more	lb.	.42	-	.46
Bicarbonate, USP, gran., bgs., c.l., works. 100 lbs.		2.50	-	—
l.c.l. works 100 lbs.		3.15	-	—
powd., bgs., c.l., works 100 lbs.		2.10	-	—
l.c.l. works 100 lbs.		2.75	-	—
Bichromate, bgs., c.l., works	lb.	.10½	-	—
l.c.l., same basis	lb.	.10¾	-	.11¼
Bisulphite, powd., bgs., c.l., works. 100 lbs.		3.90		—
Bifluoride, bbls., c.l., works, frt. equald	lb.	.13½	-	—
l.c.l., same basis	lb.	.14½	-	—
Bisulphate, bulk, c.l., works, 100 lbs.		2.00	-	—
dms., c.l., works 100 lbs.		2.65	-	3.85
l.c.l., works 100 lbs.		3.05	-	3.65
Bisulphite, powd., bgs., c.l., works. 100 lbs.		3.90	-	—
l.c.l., works 100 lbs.		4.15	-	—
solut. 35° bbls., c.l., works 100 lbs.		1.40	-	—
l.c.l., works 100 lbs.		1.80	-	4.30
Borate (see Borax).				
Bromide USP bbls. kgs., works.	lb.	.34	-	.35
Cacodylate, NF, jars, dms.	lb.	7.00	-	9.00
Carbonate, anhydrous (see Soda ash). crystalline, decahydrated (see Soda, sal), monohydrated, bgs., c.l., works. 100 lbs.		2.65	-	—
l.c.l., works. 100 lbs.		3.05	-	—
Chlorate, cryst., dms., c.l., works.	lb.	.08½	-	—
l.c.l., works.	lb.	.09½	-	.11¼
Chloride, tech. (see Salt).				
USP dms.	lb.	.21	-	—
Chlorite, tech., dms., works.	lb.	.75	-	—
Chloroacetate, tech., dms., c.l., works.	lb.	.24	-	—
l.c.l., dms., works.	lb.	.25	-	.26
Chromate, dms., c.l., works.	lb.	.12¼	-	—
l.c.l., same basis.	lb.	.12½	-	.13¼
Citrate, anhyd., dms.	lb.	.60	-	.65
NF VIII, dms.	lb.	.23	-	.26
USP XIV, gran., dms.	lb.	.28	-	.32
Sodium citrate USP powd. prices ½c. higher.				
Cyanate, dms., 1,000 lbs., works.	lb.	.85	-	1.10
smaller lots, works.	lb.	1.00	-	1.25
Cyanide, 96-98%, dms.	lb.	.168	-	.188
Diacetate, 33-35% acidity, c.l., 250 lb. dms., works.	lb.	.14	-	—
l.c.l., dms.	lb.	.14¾	-	—
anhydrous, dms., works.	lb.	.17	-	—
l.c.l., dms.	lb.	.17¾	-	—
Fluoride, white, 90%, bbls., c.l., works.	lb.	.10¾	-	.11
l.c.l., works.	lb.	.11	-	.11¼
95%, bbls., c.l., works.	lb.	.11	-	.11¼
l.c.l. works.	lb.	.11¼	-	.11½
Fluoracetate, monobasic, 8-oz. tins, 50 to a case, works.	lb.	12.00	-	—
2 to 25 tins to case, works	lb.	12.00	-	16.50
1 oz. tins, 16 to 64 to case, works	lb.	16.50	-	21.00
tribasic ton lots	lb.	11.00		—
Formate, bgs., c.l., dlvd. 100 lbs.		7.10	-	—
l.c.l. 100 lbs.		8.15	-	—
Gentisate, 100 lb. fib. dms.	lb.	8.50	-	—
Gluconate, dms.	lb.	.83	-	.85
Glutamate, monobasic, dms., c.l., dlvd.	lb.	1.66	-	—
smaller lots, dlvd.	lb.	1.67	-	1.69
Glycerophosphate, NF, cryst., bbls.	lb.	1.80	-	1.95
powder, bbls.	lb.	1.85	-	2.00
solution, 75%, cbys.	lb.	1.06	-	1.21
Hydride dms. works	lb.	2.00		3.00
Hydrosulphide (see Sodium sulphydrate).				
Hydrosulphite, dms., c.l., frt. alld.	lb.	.24½	-	—
l.c.l., frt. alld.	lb.	.25	-	—
Hydroxide, tech. (see Soda caustic). USP, pellets, 100 lb. dms., 1 to 100 dms.	lb.	.21½	-	.26
Hypophosphite, NF, ton lots or less, dms.	lb.	.95	-	.98
Hyposulphite, tech., bgs., works. 100 lbs.		4.00	-	—
l.c.l., same basis 100 lbs.		4.40	-	6.90
photo grade, bgs., c.l., works. 100 lbs.		4.00	-	4.25
l.c.l., same basis 100 lbs.		4.40	-	7.15
pea crystals, bgs. 100 lbs.		4.50	-	—
gran., bgs., c.l., works 100 lbs.		5.00	-	—
Sodium, hyposulphite crystals in bbls. 50c. higher.				
NF (see Sodium thiosulphate).				
Iodide, USP, bots., dms.	lb.	2.69	-	—

The Man who made Popcorn Angels



Prof. Doyle always put on the pageants, especially the big ones at Christmas. Everything had to go "according to Doyle," somebody once said, laughing.

Even the popcorn to hang on the tree had to be popped just so—till the kernels were huge, fat and fluffy, and white, ready to string on strong thread. From a stepladder, Prof. Doyle himself, personally, directed the crowd trimming the tree.

Nobody helped him make angels, though. Nobody else knew how to. Prof. Doyle's plump popcorn angels practically covered the tree every year, and gave it the glad look of Christmas. We used to eat the angels afterwards.

Prof. Doyle was a happy little man, pretty old, too, at the time. They say he was headed to be a great violinist as a young fellow, but stopped studying and went into business, where he made a lot of money and used it to help his young brother get a fine education. His brother made quite a big name for himself.

You feel good, helping people, judging from Prof. Doyle and the things he did.

• • •

It's our job to help.

You volume manufacturers of drugs and pharmaceuticals may be puzzled by wondering "Where?" *Where* are there better raw material sources for you? *Where* can you get the best prices for your products? *Where* can you buy needed ingredients at greater savings?

Where can you find new markets? *Where* can you expand present sales?

Our organization has the world-wide experience, knowledge, facilities, and desire to help you.

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SST

Brokers Serving the Pharmaceutical, Essential Oil, and Allied Industries

Sodium Lactate—Tributyl Phosphate

Sodium lactate, edible, 50%, dms., cbys., works ..... lb. .21½ - —
60% dms., cbys., works .. lb. .26½ - —
tech., 50%, dms., cbys., works, lb. .16½ - —
Laurylsulphate, dms., c.l., dlvd lb. .27 - —
l.c.l., dlvd ..... lb. .28 - —
tanks, dlvd ..... lb. .25 - —
Metaborate octahydrate, gran., bgs., c.l., works ton.78.50 - —
l.c.l., ex whse ..... ton.124.50 -129.50
tetrahydrate, c.l., bbls., works, ton.199.50 - —

Sodium metaborate, octahydrate in bbls., $24.50 per ton higher.

Metal, tanks, works ..... lb. .16 - —
bricks, dms., works ..... lb. .17 - .19
Metanilate, bbls. frt. alld ..... lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works ..100 lbs. 4.60 - —
l.c.l. works ..... 100 lbs. 6.10 - —
dms., c.l ..... 100 lbs. 4.95 - —
l.c.l ..... 100 lbs. 6.45 - —
pentahydrate, bgs., c.l., works, frt. equald 100 lbs. 4.00 - —
l.c.l., bgs. works 100 lbs. 4.40 - 6.90
bbls., c.l., works 100 lbs. 4.80 - —
l.c.l., works 100 lbs. 5.20 - —
Molybdate, crystals, bbls., works, lb. .75 - .85
powd., anhy., dms., works lb. 1.05 - 1.06
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls ..... lb. 70 - —
Nitrate, crude, bgs., c.l., works, ton.51.00 - —
bulk, c.l., works ..... ton.47.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac. whse ..ton.57.00 - —
bulk, c.l., same basis ..ton.53.50 - —
Nitrite, bbls., c.l., works, frt. equald lb. .07¼ - —
l.c.l., same basis lb. .08¾ - —
USP gran. dms ..... lb. .17 - —
Orthosilicate, anhyd., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works ..... 100 lbs. 7.60 - —
hydrated, flake, bbls., c.l., works 100 lbs. 4.75 - —
l.c.l., works 100 lbs. 5.50 - —
Oxalate, neut., bgs., works ..... lb. .10½ - —
Para-aminobenzoate, dms., 1,000 lbs. or more lb. 3.50 - —
smaller lots ..... lb. 3.65 - 4.00
Para-aminosalicylate, dms., 1,000-lb. lots, frt. adjusted, lb. 4.23 - —
smaller lots, same basis .. lb. 4.30 - 4.75
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .23½ - —
l.c.l., same basis ..... lb. .26½ - .28½
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis ..... lb. .26 - .28
powd., bgs., c.l., same basis lb. .24 - —
l.c.l., same basis ..... .25 - .27
Truckloads of pentacmorophenate of 20,000 lbs. min. available at ¼c. per lb. over carlot prices.
Perborate, USP, tech., bbls., c.l., works .. lb. .193 - —
l.c.l., works ..... lb. .198 - —
Peroxide, dms., c.l., dlvd. E. of Miss. lb. .1800 - —
l.c.l., same basis ..... lb. .1910 - .2010
Phenolsulphonate, USP IX, gran., dms lb. .44 - —
powd., dms lb. .47 - —
Phosphate, dibasic, anhydr., bgs., c.l., works..100 lbs. 7.25 - —
l.c.l., works ..... 100 lbs. 7.65 - —
duohydrate, bgs., c.l., works, 100 lbs. 6.65 - —
l.c.l., works ..... 100 lbs. 7.05 - —
USP dried powd., ngs., dms., monobasic, anhyd., bgs., c.l., works..100 lbs. 8.05 - 8.30
l.c.l., works ..... 100 lbs. 8.45 - 8.70
works lb. .19 - .20½
tribasic, cryst., bgs., c.l., works, frt. equald..100 lbs. 4.05 - 5.30
l.c.l., same basis..100 lbs. 4.45 - 5.20

Sodium phosphates in bbls., 40c. higher than bgs.

Prussiate, yellow, bgs., 10-ton lots, lb. .13½ - —
smaller lots ..... lb. .14 - —
Pyrophosphate acid, bgs., c.l., works, frt. equald..100 lbs. 10.00 -10.75
ferric, dms., 1,500 lbs. works, lb. .40 - —
smaller lots, works ..... lb. .42 - —
tetrabasic, anhy., bgs., c.l., works, frt. equald.. 100 lbs. 7.40 - 7.50
l.c.l., frt. equald 100 lbs. 7.80 - 7.90
Salicylate, USP, dms ..... lb. .63 - —
Sesquicarbonate, bgs, c.l., works, 100 lbs. 2.10 - —
l.c.l., dlvd. zone 1 ....100 lbs. 3.85 - 4.25
zone 2 ..... 100 lbs. 4.11 - 4.51
zone 3 ..... 100 lbs. 4.40 - 4.70
zone 4 ..... 100 lbs. 5.11 - 5.50

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H., and Vt., to which there are special county zones; Davenport, Ia., and St. Louis; (2) Ark., E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb., E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W of 98°, Kan., Neb. W of 98°; N. D., Okla., S. D., Tex., W. of 100° (including Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

bbls., c.l., works ..... 100 lbs. 2.45 - —
Sesquisilicate, anhy., dms., c.l., works..100 lbs. 5.50 - —
l.c.l. works ..... 100 lbs. 7.00 - —
Silicate, liquid, 40°, turbid., dms., c.l., works..100 lbs. 1.30 - —
l.c.l., works ..... 100 lbs. 1.60 - 1.85
tanks, works ..... ton.19.00 - —
52°, turbid., dms., c.l., works..100 lbs. 2.20 - —
l.c.l., works ..... 100 lbs. 2.50 - 2.75
tanks, works ..... ton.37.00 - —
solid, bgs., works ..... ton.55.00 - —
Silicofluoride, bgs., c.l., works.. lb. .070 - —
l.c.l., works ..... lb. .075 - .079
Stannate, dms., works, frt. alld. E .. lb. .577 - .631
Stearate, tech., dms., works ....lb. .43 - .44
USP, dms., works ..... lb. .70 - .75
Sulphanilate, bbls., works ..... lb. .22 - —
dms .. lb. .22½ - —
Sulphate, NF VII, dried, gran., tech., anhyd., ngs., c.l., works, 100 lbs. 2.00 - —
l.c.l., works ..... 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., bbls ..... lb. .19 - .19½
gran., bbls ..... lb. .19 - .19½
Sulphide, flake, bbls., c.l., works, E., frt. equald ..100 lbs. 5.00 - —
l.c.l., same basis .. 100 lbs. 5.40 - 5.90
fused, bbls., c.l., works, E. frt. equald 100 lbs. 4.50 - —
l.c.l., same basis....100 lbs. 5.00 - —

Sodium sulphite anhyd., bgs., c.l., works..100 lbs. 2.73 - —
l.c.l., same basis 100 lbs. 3.33 - 3.58
regular, cryst., bgs., c.l., works 100 lbs. 4.80 - —
l.c.l., same basis 100 lbs. 5.30 - 6.45
powder, bbls., c.l., works.. 100 lbs. 6.75 - —
l.c.l., works ..... 100 lbs. 7.35 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls ..... lb. No prices.
Sulphydrate, flake, 70-72%, dms., works, c.l lb. .06¼ - —
l.c.l., works ..... lb. .06¾ - —
liquid 36-40% basis 100% tanks, works..ton.100.00 - —
Tetrasulphide, liquid, 40%, dms., c.l., works..lb. .03¼ - —
l.c.l., works ..... lb. .03¾ - —
Thiocyanate, CP, dms ..... lb. .55 - .65
tech., dms., works ..... lb. .30 - —
Thiosulphate, NF, cryst., bbls lb. .12½ - —
tech (see Sodium hyposulphite).
Titanate, ctns., c.l., works ..... lb. .10½ - —
5 tons, works ..... lb. .10¾ - —
1 ton or less, works ..... lb. .11 - —
Trichloroacetate, 90%, 100 lb. dms., c.l., frt. alld., E lb. .37½ - —
l.c.l., frt. adjusted, E lb. .39½ - —
50 lb. dms., c.l., frt. allo., E lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10 lb. cns., c.l., frt. allo., E lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —

Prices West of the Rockies are 1¼c. per pound higher.

Tripolyphosphate, bgs., c.l., works, frt. equald ..... 100 lbs. 7.75 - 8.00
l.c.l., same basis..... 100 lbs. 8.15 - 8.40
Tungstate, tech., kgs., dlvd. E. lb. 3.15 - —
Sodium-ammonium phosphate, bbls., works, frt equald lb .23 - —
Sodium-carboxymethylcellulose. See CMC. lb. 3.15 - —
Sodium-cinchophen (see Cinchophen-sodium).
Sodium-formaldehyde sulfoxylate, c.l., dms., dlvd. lb. .25½ - —
l.c.l., same basis ..... lb. .26 - —
Sodium sulpha, drugs (see Sulpha name)
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs or more works lb. less than 1,000 lbs. same basis. .28 - —
Solvent naphtha, coaltar, tanks, works gal. .31 - .34
high-flash tanks, works gal. .31 - .34
petroleum, 100°F., tanks, Baytown, Tex gal. .31 - —
Bayonne gal. .35 - —
150°F. flash, tanks, Baytown, Tex gal. .31 - —
Sorbitan monostearate, fib. dms., 20,000 lbs., works lb. .32 - —
10,000 to 20,000 lbs., works lb. .34 - —
smaller lots, works ..... lb. .37 - .39
Tristearate, fib. dms., 20,000 lbs. works lb. .33 - —
10,000 to 20,000 lbs., works lb. .35 - —
smaller lots, works ..... lb. .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots to 5 tons, works, lb. .32 - .33
powd., dms ton lots to 5 tons, works lb. .38 - .39
solution, commercial, aqueous, dms., c.l., works lb. .24½ - —
ton lots, works ..... lb. .25½ - —
less ton lots, works ..... lb. .26 - —
tanks, works ..... lb. .23½ - —
regular, 70%, aqueous, dms., c.l., works..lb. .16¼ - —
ton lots, works ..... lb. .17 - —
less ton lots, works lb. .17½ - —
tanks, works ..... lb. .15½ - —
Soybean meal, 41% bulk, Decatur, ton.74.00 - —
protein, chemically isolated, 40,000 lbs., dlvd lb. .24 - —
20,000 lbs., same basis .. lb. .24½ - —
smaller lots, same basis lb. .24½ - .28
mechanically refined, bgs., 40,000 lbs., same basis. lb. .0600 - —
20,000 lbs., same basis .. lb. .0615 - —
smaller lots, same basis lb. .0630 - —
Sparteine sulphate, ens ..... oz. .85 - 1.25
Spearmint leaves, bls ..... lb. .60 - .65
Spikenard root, bls ..... lb. .32 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾ - —
powd., super, bgs., c.l., works, lb. .05½ - —
l.c.l., same basis ..... lb. .05¾ - —
Squaw vine leaves, bls. ..... lb. .35 - .40
Squill, red, fortified, powd., bbls, boxes lb. 1.60 - —
White, bls. ..... lb. .10 - .14
powd., bbls., bxs ..... lb. .16 - .20
St. ignatius beans, ngs ..... lb. No stocks.
St. John's bread, edible, bls ..... lb. .10 - .13
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride stannous)
Star root (see Helonias root)
Stargrass root (see Aletris root).
Starch, corn, pearl, paper bgs., c.l., N. Y..100 lbs. 7.05 - —
l.c.l. ..... 100 lbs. 7.20 - —
powd., paper bgs., c.l....100 lbs. 7.17 - —
l.c.l. ..... 100 lbs. 7.32 - —

Prices for corn starch in cotton bags, 25c. per 100 lbs. higher.

Potato, Idaho, bgs., c.l., works..lb. .06½ - —
Maine, bgs., c.l., works ....lb. .07½ Nom.
l.c.l., spot ..... lb. .08¾ - .09
Rice, l.c.l., bgs ..... lb. .11 - .12
Wheat, bgs ..... lb. .0660 - .0710
Stavesacre seed, bgs ..... lb. .80 - .81
Stearin, oleo (see Oleostearin).
Stillingia root, bls ..... lb. .28 - .30
Stoneroot, bls ..... lb. .07½ - .08
Storax, USP, cs ..... lb. 1.50 - 1.60
Stramonium leaves, bgs ..... lb. .17 - .20
Streptomycin, hydrochloride and sulphate, bulk, 50 kilos or more gram. .324 - —
unlabeled, 1-gram, vials, 1 to 500,000 vials vial. .384 - —
5-gram vials, 1 to 500,000 vials vial. 1.766 - —
Strontium bromide, NF, cns, dms, lb. .77 - —
Carbonate, 92%, dms ..... lb. .20½ - .24½
Chloride, tech., bbls ..... lb. .22 - .24
Chromate, bbls., works ..... lb. .46 - —
Iodide, jars, 25 lbs ..... lb. 3.37 - —
Nitrate, bbls., c.l., works ..... lb. .1025 - —
l.c.l. works ..... lb. .1145 - —
Oxalate, bbls., works ..... No prices.
Salicylate, NF, dms ..... lb. 1.65 - —
Sulphate, air-floated, 90% 325 mesh bgs., works ton.56.70 -66.15
Strontium-calcium sulphide phosphorescent dms., works ...lb. 2.80 - 2.85
Strophanthin, NF, bots ..... oz.32.50 -39.00
Strophanthus seed, Kombe, bgs., lb. 3.00 - 3.25
Strychnine, NF, powd., cans., 100 oz. oz. 1.25 - —
Phosphate NF, 100 ozs. ..... oz. 1.14 - —
Sulphate, USP, powd., cans, 100 ozs. oz. 1.00 - —
Styrene monomer, dms., c.l., works, lb. .21¼ - .22¼
l.c.l., works ..... lb. .22¼ - .23¼
tanks, works ..... lb. .20 - .21
Styrolyl acetate, bots. ..... lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls, l.c.l., works lb. .65 - —
tech. bbls., l.c.l., works ... lb. .60 - —
Sugar coloring (see Caramel coloring)
Sugar of milk (see Milk sugar)
Sulphabenzamide dms. ..... lb. 4.25 - 4.60
Sodium, dms. ..... lb. 4.25 - 4.60
Sulphacetamide, fiber, 100 lb. drums, kilo. 9.25 - —
Sulphadiazin, USP, crystals, free flowing, dms. lb.11.25 -11.75
microcrystals, 99%, not over 10 microns, dms. lb.10.60 -11.10
powder ..... lb.10.25 -10.75
Sulphadiazin-sodium, USP, granules, free flowing, dms. lb.12.25 -12.75
powder ..... lb.11.25 -11.75
Sulphaguanidin, USP, dms. ..... lb. 4.50 - 5.00
Sulphamerazin, USP, micro crystals, 99.9%, not over 10 microns, dms. lb.10.65 -11.15
powder, dms. ..... lb.10.25 -10.75
Sulphamerazin-sodium, USP, dms., lb.11.25 -11.75
Sulphamethazine, micro crystals, dms lb. 8.90 - 9.40
powder, dms ..... lb. 8.50 - 9.00
Sulphanilamide, USP, crystals, free flowing, dms lb. 1.40 - 1.60
microcrystals, dms ..... lb. 1.70 - 1.90
powder, dms. ..... lb. 1.30 - 1.50
Sulphanilamidoquinoxaline, veterinary, dms lb. 8.00 - 8.25
Sulphapyridin, NF powd. bots. tins, lb. 7.00 - 7.50
Sulphapyridin-sodium, powd., bots., dms lb. 7.50 - 8.00
Sulphathiazole, USP, crystals, free flowing, dms lb. 4.00 - 4.50
micro crystals, 99.9%, not over 10 microns, dms lb. 3.85 - 4.15
powder, dms. ..... lb. 3.50 - 3.80
Sulphathiazole-sodium, USP, dms., lb. 3.50 - 3.80
Sulphur, commercial, flour, bgs., mines 100 lbs. 2.05 - —
bbls., mines ..... 100 lbs. 2.20 - —
lump, bgs., mines ..... 100 lbs. 1.70 - —
bbls., mines ..... 100 lbs 2.00 - —
crude, bulk, c.l., mines, contract, long ton.21.00 -22.00
f.o.b. vessels, Gulf ports, export long ton.25.00 -27.50
domestic and Canada long ton.22.50 -23.50
refined, flowers, USP, bgs., mines, 100 lbs. 3.60 - —
bbls. ..... 100 lbs 4.75 - —
flour, light, bgs., mines ..100 lbs. 3.35 - —
bbls., mines ..... 100 lbs 4.25 - —
lump, bgs., mines ..... 100 lbs. 2.90 - —
rolls, bgs., mines ..... 100 lbs. 3.35 - —
bbls., mines ..... 100 lbs. 3.50 - —
salt block, bgs., mines 100 lbs. 3.10 - —
virgin block, bbls., mines .. 100 lbs 3.05 - —
rubbermakers, com'l, regular, bgs., mines 100 lbs. 2.25 - —
bbls., mines ..... 100 lbs. 2.40 - —
98-100% passing through 325 mesh, bgs., mines 100 lbs. 2.25 - —
bbls., mines ..... 100 lbs. 3.40 - —
refined, bgs., mines ..... 100 lbs. 2.85 - —
bbls., mines ..... 100 lbs. 2.95 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.45 - —
bbls., mines ..... 100 lbs. 3.80 - —
10% pine tar, bgs., mines .. 100 lbs. 3.65 - —
washed, NF, bot ..... lb. .11 - —
Sulphur dichloride, dms., c.l., works, frt. equald .. lb. .03½ - —
l.c.l., same basis ..... lb. .04¼ - —
tankcars, same basis ..... lb. .03¼ - —
liquid, com'l, cyls., works ... lb. .09 - —
multi-unit cars, works ... lb. .0535 - —
tanks, works ..... lb. .045 - —
refrigeration, cyls., l.c.l., dlvd ... lb. .20 - .36
Monochloride, 55-gal. dms., c.l., frt. equald .. lb. .03½ - —
l.c.l., same basis ..... lb. .04¼ - —
tanks, same basis ..... lb. .03¼ - —
Sumac leaf, 20%, bgs., ex-dock ... short ton.138.00 - —
ground, same basis .. ton.135.00 - —
Superphosphate run-of-pile under 22% a.p.a. pulv., bulk, Baltimore ..unit-ton. .81 - .82½
Carteret, N. J. ..unit-ton. .82 - —
triple, 48% or more, a.p.a., pulv., bulk, East Tampa, Fla ... unit ton. .87 - —

Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.

Sweet basil, California, bgs ..... lb. 1.10 - 1.15
imported, bgs ..... lb. .90 - 1.00

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2,4,5-T, dms., c.l., works ..... lb. 1.60 - —
l.c.l., works ..... lb. 1.65 - —
Isopropyl ester, dms., c.l., works, lb. 1.70 - —
l.c.l., works ..... lb. 1.75 - —
Talc, dom., ordinary, grd., Calif., bgs., c.l., works ton.25.00 -35.00
Vermont, off color, bgs., c.l., works ton.14.00 - —
l.c.l., works ..... ton.17.50 - —
fibrous, New York, grd., bgs., c.l., works ..... ton.25.00 -30.00
l.c.l. ..... ton.28.00 -35.00
99.5%, 325 mesh, bgs., c.l., works..ton.27.00 - —
l.c.l., works ..... ton.30.00 -32.00
imp., Canada grd., bgs., c.l. mines ton.15.25 -35.00
Tallow, edible, tanks, delv'd .... lb. .13¾ Nom.
inedible, extra ..... lb. .07½ - —
fancy ..... lb. .07¾ - —
special ..... lb. .06¾ - —
No. 1 ..... lb. .06½ - —
sulphonated, 25%, dms., l.c.l. lb. .07¾ - .08
50%, dms., l.c.l. ..... lb. .11¼ - .11½
Tamarind, W.I., bbls ..... lb. .13 - .15
Tankage, animal, feeding, 9-11% ammon., bulk..unit-ton. 6.00 - —
Chicago ..... unit-ton. 8.25 - —
Tansy leaves, bls ..... lb. .25 - .30
Tapioca flour, high grade, bgs. lb. .07¾ - .08
medium grades, bgs. ..... lb. .07½ - .07¾
Java, bgs ..... lb. .06¾ - .07¼
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .50 - —
l.c.l., same basis ..... gal. .52 - —
tanks, same basis ..... gal. .40 - —
Tar acid oil, 25-28%, dms., c.l., same basis..gal. .56½ - —
l.c.l., same basis ..... gal. .58½ - —
tanks, same basis ..... gal. .46½ - —
50-53%, dms., c.l., same basis, gal. .72½ - —
l.c.l., same basis ..... gal. .74½ - —
tanks, same basis ..... gal. .62½ - —
Tar, coal (see Coaltar).
Pine (see Pinetar).
Tarragon herb, bgs ..... lb. .45 - .50
Leaves, bgs ..... lb. .65 - .70
Tartar emetic, tech., gran. or powd., bbls., kgs lb. .56 - —
dms. ..... lb. .57 - .58
USP, powd., bbls., dms., kgs lb. .61 - .62
Terpin hydrate, com'l, bbls., c.l lb. .24½ - —
l.c.l. ..... lb. .25 - .25½
NF, cryst., bbls., dms ..... lb. .75 - —
powd., bbls., dms ..... lb. .80 - —
Terpineol, alpha (see A).
commercial, dms., c.l., South .. lb. .13½ - —
l.c.l., South ..... lb. .14 - —
extra, dms ..... lb. .48 - .50
prime, dms ..... lb. .39 - .43
Terpinglycol ether, dms., c.l., works, lb. .23½ - —
l.c.l., works ..... lb. .25½ - —
tanks, works ..... lb. .22 - —
Terpinyl acetate, extra, cns., dms. lb. .66 - 1.10
prime, dms ..... lb. .55 - .65
Propionate, dms. ..... lb. 1.75 - 2.00
Terra alba (see Gypsum).
Testosterone, USP, 100 gms., bots. gm. 2.25 - —
Propionate, USP, 100 gms., bots.. gm. 2.25 - —
Tetrachloroethane, dms., works lb. 08 - .08½
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55-gal. dms., works ..... lb. .20½ - .21½
smaller dms., works ..... lb. .23½ - .25
Tetraethyl orthosilicate, dms., works, lb. .72 - —
Pyrophosphate, 40% cns., dms., works lb. .80 - .88
Tetraethylenepentamine, dms., c.l., works lb. .56½ - —
l.c.l., works ..... lb. .57 - —
tanks ..... lb. .55 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd ..... lb 12.50 -15.00
Sulphate, 99%, bots., dlvd ..... lb.10.50 -13.00
Theobromine, fib. dms ..... lb 5.75 - 6.00
Salicylate, fib. dms ..... lb 5.17 - —
with sodium acetate, USP, dms lb 4.80 - —
Sodio-salicylate, fib. dms .. lb. 4.05 - 4.10
Theophylline, anhyd., or USP, 100-lb. dms lb. 5.75 - 6.00
Thiamine hydrochloride, USP, bots., 100 grams..kilo.160.00 - —
Mononitrate, bots, 100 grams..kilo.160.00 - —
Thiocarbanilide, dms ..... lb. .44 - .51
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works ..... lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works.lb. .43½ - —
l.c.l., works ..... lb. .45½ - —
Thorium nitrate, cs., works ..... lb. 3.60 - —
Threonine dextro laevo, bots ..... 100 grams.100.00 - —
Thyme, French, bgs., afloat ..... lb. .21 - .22½
Spanish, bls ..... lb. .09 - .09½
Thymol, fib. dms ..... lb. 3.75 - 5.52
Iodide, NF, dms ..... lb. 9.30 - 9.42
Timbo root (see Cube root)
Tin chloride, stannous, anhyd., dms., works lb. .872 - .882
Crystals, hydrous, bgs., bbls., works lb. .71½ - —
Metal ..... lb. 1.03 - —
Tin oxide, bbls ..... lb. 1.05 - 1.06
Sulphate, stannous, bbls ..... lb. .98 - 1.00
Tetrachloride, anhyd., dms., works, lb. .82 - .83
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd. lb. .21 - .21½
l.c.l., dlvd ..... lb. .22 - .22½
regular, bgs., c.l., dlvd .. lb. .21 - .21½
l.c.l., dlvd .. lb. .22 - .22½
ceramic, bgs., c.l., dlvd ..... lb. .21 - .21½
l.c.l., dlvd ..... lb. .22 - .22½
metallurgical, natural, granular, bgs., c.l., works. lb. .04¼ - —
5-ton lots, works. lb. .04½ - .05¼
milled, bgs., c.l., works. lb. .04¼ - —
5-ton lots, works. lb. .04¾ - .05¼
rutile, non-chalking, bgs., c.l., dlvd. E. lb. .23 - .23½
l.c.l., dlvd. E. ..... lb. .24 - .24½
Hydride, cns. works ..... lb. 7.00 - 8.00
Pigment, calcium-rutile, base, bgs., c.l., dlvd. lb. .08 - .08½

Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse, ½c higher.

Tetrachloride, tech., dms., c.l., works. lb. .45½ - —
l.c.l., works ..... lb. .48½ - .56½
tankcars, works ..... lb. .44½ - —
Tolidin base distilled, kgs ..... lb 1.30 - —
Tolu balsam, cns., dms ..... lb. 5.85 - 6.25
Toluene (see Toluol).
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa ..... gal. .33 - —
Birmingham dist ..... gal. .30 - —
Chicago dist ..... gal. .33 - —
Cleveland dist ..... gal. .32¾ - —
Geneva, Utah ..... gal. .36 - —
Hamilton, Ohio ..... gal. .33 - —
Johnstown, Pa ..... gal. .30 - —
Lackawanna, N. Y. ... gal. .33 - —
Lone Star, Tex ..... gal. .35 - —
Lorain, Ohio ..... gal. .31 - —
Minequa, Colo ..... gal. .32 - —
Philadelphia, Pa ..... gal. .33½ - —
Pittsburgh dist ..... gal. .30 - —
Sparrow's Point, Md ... gal. .32 - —
Syracuse, N. Y. ..... gal. .30½ - —
Terre Haute, Ind ..... gal. .33½ - —
Wyandotte, Mich ..... gal. .34½ - —
Youngstown, Ohio ..... gal. .30½ - —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. ..... gal. .33 - —
Bayonne, N. J. ..... gal. .33 - —
Baytown, Tex ..... gal. .31 - —
Chicago, Ill ..... gal. .33 - —
Detroit, Mich ..... gal. .33 - —
Philadelphia, Pa. ..... gal. .33 - —
Providence, R. I. ..... gal. .33 - —
Wood River, Ill. ..... gal. .33 - —
Tolylene di-isocyanate, dms., works.
Tonga, 50% bark and vine, bls ..... lb. .75 - .80
Tonka beans, Angostura, cks ..... lb. 1.75 - 1.80
Brazilian, Surinam, cs ..... lb. 1.00 - 1.25
lb. 4.00 - 4.50
Totaquine, 100-oz. lots, cns ..... oz. .42 - —
Toxaphene, dms., c.l., works ..... lb. .23 - —
truckloads, works ..... lb. .23 - —
ton to truckloads, works .. lb. .26 - —
less than ton lots, works .. lb. .29 - —
Triacetin, dms., c.l., dlvd. E. .... lb. .55 - —
l.c.l., dlvd. E. ..... lb. .56 - —
tanks, dlvd. E ..... lb. .53½ - —
Tributyl citrate, tech., dms., c.l. lb. .40½ - —
l.c.l. ..... lb. .41½ - —
tanks ..... lb. .39 - —
Phosphate, dms., c.l., frt. alld lb. .63½ - —
l.c.l., same basis ..... lb. .64½ - —
smaller containers ..... lb. .68½ - —

Tributylamine, dms., c.l., works, frt., alld. E of Miss. lb. .71¼- —
l.c.l., same basis..... lb. .72¼- —
tanks, same basis..... lb. .70 - —
Trichlorobenzene, dms. c.l., works, frt. alld lb. .12½- —
l.c.l., frt. alld..... lb. .13½- —
tanks, frt. alld..... lb. .11 - —
Prices in the West 1¼c. higher.
Trichloroethane, dms., c.l., works. lb. .13 - —
l.c.l., works..... lb. .13½- —
tanks, works..... lb. .11½- —
Trichloroethylene, dms., c.l., or truckloads, works, frt. equald.. lb. .11 - —
dlvd. E..... lb. .12½- —
l.c.l., works, frt. equald..... lb. .11½- —
dlvd. E..... lb. .13½- —
tanks, works, frt. equald..... lb. .10 - —
dlvd. E..... lb. .11 - —
Tricholine citrate, 65% solut., ret. cbys., works, frt. adjusted. lb. 1.65 - 1.70
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .37 - .37¼
l.c.l., dlvd..... lb. .38 - .38¼
tanks, dlvd..... lb. .35 - .35¼
petroleum, dms., c.l., dlvd lb. .37 - .37¼
l.c.l., dlvd..... lb. .38 - .38¼
tanks, dlvd..... lb. .35 - .35¼
Triethanolamine dms. c.l., frt. alld. E lb. .26¼- —
l.c.l., same basis..... lb. .27¼- —
tanks, same basis..... lb. .24½- —
Triethylamine dms. c.l., works, frt. alld. E lb. .43 - —
l.c.l., same basis..... lb. .44 - —
tanks, same basis..... lb. .41¼- —
Triethyl citrate, tech., dms., c.l. lb. .37½- —
l.c.l. ..... lb. .38½- —
tanks ..... lb. .36 - —
Phosphate dms., works, c.l.... lb. .38 - —
l.c.l. same basis ..... lb. .39 - —
tanks, same basis ..... lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld., E lb. .23¼- —
l.c.l., same basis..... lb. .24¼- —
tanks, same basis..... lb. .21½- —
Triethylenetetramine, dms., c.l., works lb. .47½ - —
l.c.l. works ..... lb. .48 - —
tanks ..... lb. .46 - —
Trimethylamine, 25%-40%, dms., c.l., works, frt. equald. 100% basis, lb. .38 - —
l.c.l., works, frt. equald, 100% basis lb. .38½- —
tanks, works, frt. equald., 100% basis lb. .33 - —
Tripentaerythritol, bgs., c.l., works. lb. .36½- —
l.c.l., same basis..... lb. .39½- —
Triphenyl phosphate, bbls., c.l., frt. equald.. lb. .37 - —
l.c.l., frt. equald..... lb. .38 - —
Triphenylguanidine bbls. works lb. .90 - —
Tripoli, air floated, bgs., c.l., works. lb. .0175- —
double grd. bgs. c.l. works lb. .016 - —
single-grd., bgs., c.l., works... lb. .015 - —
Tripropyleneglycol, dms., c.l., frt. alld lb. .26¼- —
l.c.l., frt alld..... lb. .27¼- —
tanks, frt. alld ..... lb. .24½- —
Trisodium fluoroacetate (see sodium fluoroacetate trihasic).
Trisodium phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:80 dms., works lb. 5.00 - —
Tryptophane, dextro-laevo, fib. ctns. works..kilo.132.00 -198.00
Tuba root (see Cube root).
Tungsten metal powd. 99.9%, dms. works lb. 7.75 - —
Turmeric root, Alleppey, bgs.... lb. .23 - .24
Haitian, bgs..... lb. .09 - .09½
Jamaica, bgs. ..... lb. .08½- .09
Madras, bgs. ..... lb. .12½- .13
Turpentine gum (see Naval Stores) (Protective Coatings market).
Wood, dest.-dist., dms. extra, c.l., works, South. gal. .59 - —
l.c.l., same basis..... gal. .60 - —
l.c.l., whse. N.Y.C..... gal. .70 - —
wood, steam-dist., dms., extra, ret., c.l., works..gal. .80 - —
l.c.l., ex whse., NYC.. gal. .98 - —
tanks, works ..... gal. .70 - —
Tyrothricin, USP, bots.....gram. 1.00 - 1.10

U

Urethane, USP, dms..... lb. 1.50 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs..... lb 2.55 - —
yellow, kgs ..... lb 1.85 - —
Urea, dom., 46% N bgs., c.l., wks. lb. .05½- —
l.c.l., works..... lb. .06 - —
44% N, bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak. Okla., S. Dak., Tex. and east. ton.142.00 - —
l.c.l., dlvd. ..... ton.146.00 - —
Urea-ammonia liquor, A and B grades, N basis, tankcars Belle, W. Va ton.120.00 - —
C and D grades, tankcars, same basis ton.118.50 - —
37 grade, tankcars, same basis. ton.147.50 - —
Uva ursi leaves, bls ..... lb. .08 - .10

V

Valerian root, Belgian, NF, bls..lb. .32 - .35
Valine, dextro-laevo, dms..works.lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ..... ton.88.00 -90.00
Cups, 28-30%, tannin bgs., ex dock ton.69.00 -70.00
Extract powd., bgs., ex dock, duty extra..lb. .09½- —
Vanadium pentoxide CP bgs., cns., contract works..lb. 7.00 - —
tech., dms., works..... lb. 1.28 - —
spot, dms., work..... lb. 1.33 - 1.43
Vanilla, beans, Bourbon, tins..... lb. 3.00 - 3.25
Mexican, cuts, tins..... lb. 4.50 - 4.75
whole, tins..... lb. 5.25 - 6.00
Tahiti, cs..... lb. 2.40 - 2.50
Vanillin, ex eugenol, tins, 25 lbs. lb. 5.50 - 6.50
smaller lots ..... lb. 5.55 - 6.65
ex guaiacol, tins, 25 lbs..... lb. 3.25 - —
smaller lots..... lb. 3.30 - 3.40
ex lignin, tins, 25-lb. lots..... lb. 3.00 - —
smaller lots, tins..... lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., c.l., works lb. .19 - —
l.c.l., works ..... lb. .19½- —
tanks, works ..... lb. .18 - —
Butylether, normal, tech., dms., c.l., works lb. .28 - —
l.c.l. works ..... lb .30 - —
tanks, works ..... lb. .27 - —
Ether (see Ether, divinyl).
Vinyl ethylether, tech., dms., c.l., works..lb. .28 - —
l.c.l., works..... lb. .30 - —
tanks, works ..... lb. .27 - —
Isobutylether, tech., dms., c.l., works lb. .28 - —
l.c.l., works..... lb. .30 - —
tanks, works..... lb. .27 - —
Methylether, cyls., works..... lb. .30 - —
tanks, works ..... lb. .27 - —
Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.
Trichloride (see Trichloroethane).
Vinylpyridin, ret. dms., works... lb. 1.65 - —
Viosterol, in alcohol, 1,000,000 D units per gm., bots. lots of 10 billion USP units 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units 1,000,000 units. .035 - —
in natural vegetable oil, 400,000 or 1,000,000 D units per gm. bots., lots of 100 billion USP units 1,000,000 units. .02 - —
lots of 1 billion USP units, 1,000,000 units. .025 - —
lots of less than 1 billion USP units.1,000,000 units. .03 - —
Vitamin A, natural, acetate, 200,000 to 400,000 A units per gm., bots. cns. dms., lots of 500 million units or more.. 1,000,000 units. .16 - —
lots of less than 500 million units..1,000,000 units. .21 - —
Vitamin A, natural acetate over 400,000 A units per gm., bots., cns., dms., lots of 500 million units or more 1,000,000 units. .17 - —
lots of less than 500 million units 1,000,000 units. .22 - —
Prices above are based on the USP XIV method of conversion Morton-Stubbs Corrected E x 1900.
A, synthetic, acetate, crystalline, beads, 500,000 A units per gm ..... 1,000,000 units. .17 - —
liquid, in oil, 1,000,000 A units per gm ..... 1,000,000 units. .15 - —
natural, concentrates (see Oil, fishliver), palmitate, liquid, 1,000,000-1,800,000 A units per gm. 1,000,000 units. .15 - —
in oil, 1,000,000 A units per gm. 1,000,000 units. .15 - —
B_1 (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12} gm. or 5 gm. vials....gram.350.00 - —
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol and Viosterol).
D_2 (see Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1 25 gm. bots.....gram. 4.50 - —

Tributylamine—Wax, Candelilla

Violet methyl toner (see Blue, methylviolet toner).
V.M.P. naphtha (see Petroleum naphtha).

W

Wahoo root bark, bls..... lb 1.75 1.80
Tree bark, bls..... lb .75 .80
Wartarin, 6.5%, dms., 50 lbs., f.o.b. N. Y. or Chicago lb 1.98 —
25-49 lbs., same basis ..... lb. 2.05 - —
5-24 lbs., cns., same basis..lb. 2.15 - —
Wattle bark, fair average, ex E. Afr., bgs., ex dock ton.106.50 - —
merchantable, bgs., ex dock.ton.103.50 - —
extract, liquid, 35% tannin, bbls., works lb. .11 - .11½
solid, E. Africa, 61% tannin, bgs., ex dock, duty extra. lb. .11½- —
S. Africa, 62%, tannin, ex dock, duty extra lb. .11½- —
Wax amorphous (see Wax micro crystalline)
Bayberry, bgs., spot ..... lb. .55 Nom.
Bees, bleached, USP, bricks, cs. lb. .80 - .81
slab, bgs ..... lb. .79 - .80
crude, African, bgs..... lb. .61 - .63
Brazilian bgs ..... lb. .74 Nom.
Central American, bgs... lb. .67 - .69
refined, yellow, bricks, cs.... lb. .71 - .73
slabs, bgs. ..... lb. .70 - .72
Candelilla, crude, bgs..... lb. .75 - .77
refined, bgs ..... lb. .78 - .80
Powdered candelilla, 20 mesh, 5c. per lb. extra: 80 mesh, 5½c.; 100-200 mesh, 6c.

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Ortho-dichlorobenzene • Monochlorobenzene • Ammonium Chloride • Formaldehyde • Sodium Nitrite

ax, Carnauba—Zinc Oxide

ax, carnauba, chalky, bgs., ton lots	lb.	1.00	Nom.
North Country, No. 2, bgs., ton lots	lb.	1.05	Nom.
No. 3, crude, bgs., ton lots	lb.	1.02	Nom.
refined, bgs., ton lots	lb.	1.05	Nom.
yellow, No. 1, bgs., ton lots	lb.	1.23	Nom.
No. 2	lb.	1.21	Nom.
Powdered carnauba price differentials same as powdered candelilla.			
Japan, bgs.	lb.	.45	- .50
Microcrystalline, 170°-175° m.p., ASTM, amber ctns., 20,000 lbs. group 3, works	lb.	.14	- —
Less than 20,000 lbs., same basis	lb.	.15	- —
170°-175° m.p., ASTM, black, ctns., 20,000 lbs., same basis	lb.	.12½	- —
Less than 20,000 lbs., same basis	lb.	.13½	- —
white, ctns., 20,000 lbs., same basis	lb.	.25	- —
less than 20,000 lbs., same basis	lb.	.26	- —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis	lb.	.16	- —
less than 20,000 lbs., same basis	lb.	.17	- —
black, ctns., 20,000 lbs., same basis	lb.	.14½	- —
less than 20,000 lbs.	lb.	.15½	- —
white, ctns., 20,000 lbs., same basis	lb.	.27	- —
less than 20,000 lbs., same basis	lb.	.28	- —
Wax, microcrystalline, 190°-195° m.p., ASTM, amber, basis	lb.	.20½	- —
Less than 20,000 lbs., same basis	lb.	.21½	- —
black, ctns., 20,000 lbs., same basis	lb.	.19	- —
Less than 20,000 lbs., same basis	lb.	.20	- —
white, ctns., 20,000 lbs., same basis	lb.	.33½	- —
Less than 20,000 lbs., same basis	lb.	.34½	- —
Montan, dom., refined, bgs.	lb.	.31	- .32
imported German, bgs.	lb.	.14	- .15
Ouricury, ref., bgs.	lb.	.90	Nom.
Paraffin (see P.)			
Spermaceti, blocks, cs.	lb.	.30	- .33
cakes, cs.	lb.	.31	- .34
Sugar cane, refined, dom., slabs, works	lb.	.85	- —
imp., bgs., N. Y.	lb.	.53	- —
White lead (see Lead, white).			
White pine bark, rossed, bls.	lb.	.18	- .20
White precipitate, USP, powd., dms.,	lb.	5.00	- —
Whiting, limestone, dry-grd., 99.5%, 325 mesh bgs., c.l., works	ton.	6.00	-10.00
smaller lots, works	ton.	6.50	-15.00
wet-grd., bgs., c.l., works	ton.	16.00	-30.00
smaller lots, works	ton.	21.00	-35.00
Paris white, bgs., c.l.	ton.	24.00	-31.00
l.c.l.	whse ton.	25.00	-40.00
Precipitated, bgs., c.l.	ton.	18.00	-20.00
l.c.l.	ton.	25.00	-35.00
Wild cherry bark, thick, natural, bls	lb.	.06	- .07
Thin, natural, bls.	lb.	.17	- .19
rossed, bls.	lb.	.19	- .22
Wild indigo root, bls.	lb.	.30	- .31
Wild yam root, bls.	lb.	.16	- .17
Witch hazel leaves, bls.	lb.	.20	- .22
Wollastonite, 20 mesh, bgs., f.o.b. works	ton.	19.00	- —
325 mesh, same basis	ton.	20.00	-27.00
Woodflour, 40 mesh, bulk, c.l., works, East	ton.	32.00	- —
l.c.l., same basis	ton.	40.00	- —
60 mesh, bulk, c.l., same basis	ton.	37.00	- —
l.c.l., same basis	ton.	45.00	- —
80-100 mesh, bulk, c.l., same basis.	ton.	45.00	-50.00
l.c.l., same basis	ton.	60.00	-62.00
Woodflour in bgs extra, returnable.			
Woolfat, crude (see Degras)			
USP (see Lanolin).			
Wormseed, American, bgs.	lb.	.14	- .16
Levant, bgs	lb	4.25	- 4.50
Wormwood leaves, bls.	lb.	.35	- .45

X

Xanthorrhiza root, bls.	lb.	.28	- .30
Xylene (see Xylol)			
Xylenol, cryst., 56°-58°C. m.p., ref. dms., c.l., works frt equald	lb.	.193	- —
l.c.l. same basis	lb.	.196	- —
tanks same basis	lb.	.18	- —
45°-47° C, dms., c.l., frt. equald.	lb.	.153	- —
l.c.l., same basis	lb.	.156	- —
tanks, same basis	lb.	.14	- —
fractions, over 7°C., b.p., except meta, dms., c.l., same basis	gal.	1.31	- —
l.c.l. same basis	gal.	1.34	- —
tanks, same basis	gal.	1.20	- —
meta fraction, over 7° C., dms., c.l., same basis	gal.	1.46	- —
l.c.l. same basis	gal.	1.49	- —
tanks, same basis	gal.	1.39	- —
Xylidins, mixed, dms	lb.	.30	- .50
Xylol, coaltar, industrial, tanks, works—			
Bethlehem, Pa.	gal.	.33	- —
Birmingham district	gal.	.30½	- —
Chicago district	gal.	.33½	- —
Cleveland district	gal.	.33	- —
Geneva, Utah	gal.	.35	- —
Hamilton, Ohio	gal.	.32	- —
Johnstown, Pa.	gal.	.31	- —
Lackawanna, N. Y.	gal.	.33	- —
Lone Star, Tex.	gal.	.35	- —
Lorain, Ohio	gal.	.31	- —
Minequa, Colo.	gal.	.34	- —
Philadelphia, Pa.	gal.	.33	- —
Pittsburgh district	gal.	.30	- .33
Sparrows Point, Md.	gal.	.33	- —
Syracuse, N. Y.	gal.	.30½	- —
Terre Haute, Ind.	gal.	.35	- —
Wyandotte, Mich.	gal.	.34½	- —
Petroleum, indust., tanks, Youngstown, Ohio	gal.	.30½	- —
Youngtown, Ohio	gal.	.30½	- —
Albany, N. Y.	gal.	.33	- —
Bayonne, N. J.	gal.	.33	- —
Baytown, Tex.	gal.	.31	- —
Chicago, Ill.	gal.	.33	- —
Detroit, Mich.	gal.	.33	- —
Philadelphia Pa.	gal.	.33	- —
Providence, R. I.	gal.	.33	- —
Wood River, Ill.	gal.	.33	- —

Y

Yara yara, cns.	lb.	2.25	- 2.65
Yeast, brewer's dry, USP, 50 Int'l B units per gram, 100-lb. dms	lb.	.47	- —
90 Int'l B units per gram, 100-lb. dms	lb.	.53	- —
200 Int'l B units per gram, 100-lb. dms.	lb.	.56	- —
300 Int'l B units per gram, 100-lb. dms	lb.	.60	- —
Yellow barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C. E of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul	lb.	.35	- —
Barium chromate yellow price differentia in other States and city zones are those for chrome yellow below.			
Benzidin, AAA, bbls., dlvd.	lb.	1.91	- —
AAOT, bbls	lb.	2.06	- 2.15
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies	lb.	3.20	- —
lithopone, all shades, bbls., frt. alld., E. of Rockies	lb.	1.32	- —
Cadmium yellows, Los Angeles, and San Francisco, ex whse., 1c. per lb. higher.			
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island	lb.	.32	- —
Dlvd Ala., Fla., Ga., La., (Shreveport) 1¼c. nigher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago			
Hansa, 10 G, bbls., same basis as chrome	lb.	2.05	- 2.15
G, pigments, bbls.	lb.	1.91	- 2.05
Iron oxide, natural, bgs., c.l., works	lb.	.0141	-.0250
l.c.l., works	lb.	.0166	-.0275
French type, bgs., c.l.	lb.	.04½	- —
l.c.l.	lb.	.04¾	- —
Peruvian type bgs., c.l.	lb.	.0185	-.0210
synth., bgs., c.l., works	lb.	.10	- —
l.c.l., works	lb.	.1025	- —
Mercury oxide, bbls., 1,000 lbs.	lb.	4.15	- —
smaller lots	lb.	4.17	- —
Ocher, American golden, bgs., works	lb.	.01¼	-.02¾
Zinc, (chromate) bbls., dlvd.	lb.	.27	- —
basic, dlvd	lb.	.30	- —
Yellow dock root, bls.	lb.	.19	- .20
Yellow xanthorrhiza (see Xanthorrhiza)			
Yerba santa leaves, bls.	lb.	.28	- .30
Yohimbine hydrochloride, vis.	oz.	4.75	- 5.25

Z

Zein, bgs., 36,000 lbs., works	lb.	.35	- —
1,000 lbs. to 36,000 lbs., works	lb.	.37	- —
smaller lots, works	lb.	.40	- —
Zinc acetate, tech. bbls., dms, works.	lb.	.28½	- —
NF VIII, dms.	lb.	.53	- —
Borate, bgs., c.l., dlvd. E.	lb.	.192	- —
l.c.l., dlvd. E.	lb.	.202	- —
Carbonate, rectified, powd., dms.	lb.	.26	- —
tech., rubbermakers' bgs., works.	lb.	.15½	-.16½
precipitated, powd., dms	lb.	.26	- —
Chloride, tech., fused, dms., c.l., works	100 lbs.	8.70	- —
l.c.l., works	100 lbs.	9.10	- —
gran., bbls., c.l., works	100 lbs.	9.45	- —
l.c.l., works	100 lbs.	9.85	- —
solution 50%, dms., c.l., works	100 lbs.	4.75	- —
l.c.l. works	100 lbs.	5.35	- —
tanks, works	100 lbs.	4.10	- —
NF, gran., dms	lb.	.42	- —
Chromate (see Yellow zinc).			
Cyanide, kgs., works	lb.	.523	- .543
Dust, bbls., c.l., works	lb.	.23	- —
l.c.l., works	lb.	.24	- —
Fluoride, bbls., works	lb.	.40	- —
Hydrosulphite, dms., c.l., frt. alld.	lb.	.21½	- —
l.c.l.	lb.	.22	-.37½
Iodide, NF, jars	lb.	4.92	- —
Laurate, bbls	lb.	.45	- .46
Metal, slabs, E. St. Louis	lb.	.19½	- —
Naphthenate liquid, 8% Zn, frt. alld	lb.	.24	- —
10% Zn dms. frt. alld	lb.	.29½	- —
Oleate, fused, bbls	lb.	.36	- —
Oxide, pigment, dom., acicular, bgs., c.l., dlvd.	lb.	.176	- —
l.c.l., dlvd.	lb.	.186	- —
American process, com'l, lead-free, bgs., c.l., dlvd.	lb.	.176	- —
l.c.l., dlvd.	lb.	.186	- —
leaded, 35%, bgs., c.l., dlvd	lb.	.1815	- —
l.c.l., dlvd.	lb.	.1915	- —
50%, bgs., c.l., dlvd.	lb.	.1835	- —
l.c.l., dlvd.	lb.	.1935	- —
French process, com'l, green seal, bgs., c.l., dlvd.	lb.	.1935	- —
l.c.l., dlvd.	lb.	.2035	- —
red seal, bgs., c.l., dlvd.	lb.	.1885	- —
l.c.l., dlvd.	lb.	.1985	- —
white seal, bgs., c.l., dlvd.	lb.	.1985	- —
l.c.l., dlvd.	lb.	.2085	- —
USP, ctns., c.l., dlvd.	lb.	.2085	- —
l.c.l., dlvd.	lb.	.2185	- —
Zinc oxide Pac. coast prices 1c. higher; bbl. prices ¼c. higher than bgs.			

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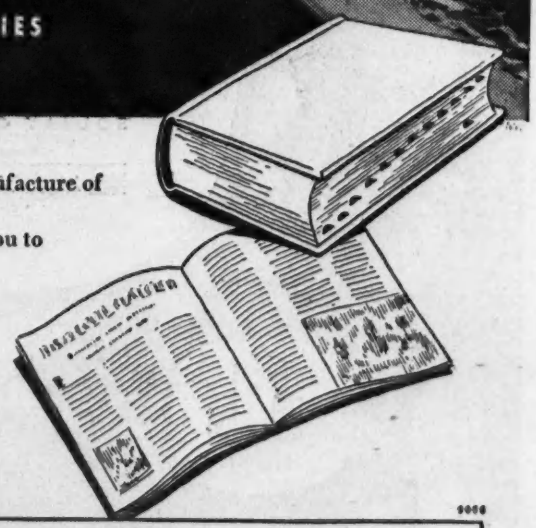

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Subsidiary of NATIONAL LEAD COMPANY

Zinc phenolsulphonate, NF, gran., dms.	lb.	.39	—
powd., dms.	lb.	.42	—
Resinate, precip., dms., frt. alld.	lb.	.26	—
Silicofluoride, bbls., works	lb.	.13	.14
Stearate, tech., USP, ctns., c.l.	lb.	.41	—
ton lots	lb.	.42	—
less ton lots	lb.	.43	—
Sulphate, cryst., 22% Zn, bgs., c.l., works, frt. alld.	100 lbs.	6.85	—
t.c.l., same basis	100 lbs.	7.25	9.75
flake, 25½%, Zn, bgs., c.l., works	100 lbs.	6.05	—
t.c.l., works	100 lbs.	6.45	8.95
powdered, 36% Zn, bgs., c.l., frt. alld.	100 lbs.	9.95	10.45
t.c.l., same basis	100 lbs.	10.70	11.20
Zinc sulphate in bbls., 40c. higher.			
USP, gran, dms	lb.	.26	—
Sulphide, pure, bgs., c.l., dlvd	lb.	.253	—
fluorescent fiber dms., under 1,000 lbs., works	lb.	1.10	1.90
phosphorescent, fiber dms., under 1,000 lbs., works	lb.	1.85	2.50
Thionosulphonate NF gran bbls., dms	lb.	.33	.34
powd bbls	lb	.36	.37
Undecylenate, dms	lb	2.25	—
Yellow (see Yellow zinc)			
Zinc-ammonium chloride, bgs., c.l., works	100 lbs.	8.60	—
t.c.l. works	100 lbs.	9.00	11.50
Zinc-cadmium sulphide, fluorescent fiber dms. under 1,000 lbs., works	lb.	2.10	2.90
Zinc-calcium resinate, dms., c.l., works	lb.	.1180-	.1360
t.c.l., same basis	lb.	.1220-	.2400
Zinc-formaldehyde sulphoxylate, basic, dms., c.l.	lb.	.25½-	—
t.c.l.	lb.	.26 -	.41½
normal, dms., t.c.l., works	lb	.52	—
Zircon (see Zirconium silicate.			
Zirconium acetate 13% sol ZrO_2, bbls., works	lb	.26½-	—
Carbonate basic cake, bbls., works	lb	.30½-	—
Hydride, cns., ex whse	lb.	12.00	—
Nitrate, dms., ex whse	lb.	4.50	7.00
Oxide 98½ 99% white grd., bbls or bgs, works	lb	1.50	—
lump electric-fused bgs., c.l., works	lb	44	—
5 tons, works	lb.	44½-	—
1 ton or less, works	lb.	45	.48
98½-99% white, milled, electri-fused, bgs., c.l., works	lb.	.59	—
5 tons, works	lb.	.59½-	—
1 ton or less works	lb	60	63
Oxychloride, cryst., ctns., 5 tons, works	lb.	.35½-	—
Silicate, granular, bgs., c.l., works	lb.	.03¼-	.03¼
10 tons works	lb	03½	.04
5 tons, works	lb	04	—
1 ton or less works	lb	04¼	.04¾
milled bgs c.l. works	lb	04½-	—
5 tons, works	lb	05¼-	—
1 ton or less works	lb	05¾	.06¾
refined bgs c.l., works	lb	.12	—
5 tons, works	lb	12½-	—
1 ton or less works	lb	13	.17

Synthetic Rubber Export Quota Set for 1st Quarter

Government-produced synthetic (GR-S) rubber will be licensed for shipment to friendly countries against an export quota of 10,000 long tons in the first quarter of 1952, the Office of International Trade announced December 20.

In licensing against a quota, which is large enough only to meet essential end-uses, OIT will give consideration to applications covering shipments that will:—(1) Meet certain technological needs that cannot be met by natural rubber; (2) prevent disruption that would result from conversion to natural rubber by established users of synthetic rubber abroad, or (3) contribute to United States national security.

NPA Post to Andrews

Appointment of Paul B. Andrews as deputy director of the copper division in the metals and minerals bureau, succeeding Joseph W. Mullally, was announced December 19 by the National Production Authority. Mr. Andrews was chief of the brass mill branch in the copper division since January, 1951. He is on loan to the government from the Revere Copper & Brass, Inc.

Pennsalt Realignment

—Continued from page 5

of technical service, and the eight department sales managers.

Mr. Clem formerly was sales manager of the industrial chemicals department. He will be responsible for all district sales offices and their managers will report to him. Mr. Garverich formerly was manager of technical service on specialties.

The planning organization for the sales division is headed by Arthur G. Tunstall, jr., as manager of marketing. Mr. Tunstall also was previously an assistant general sales manager. Reporting to him are Paul C. Hurley, manager of sales promotion; Franklin A. Lucard, heading the new department of sales development, and Malcolm J. Harkins in the new position of manager of sales control.

George D. Grogan, formerly an assistant to the vice-president in charge of sales, has been named sales manager for industrial chemicals, replacing Mr. Clem. Joseph J. Duffy, jr., has become sales manager of the Fos products and industrial cleaners department, a new unit formed from consolidation of the former Fos products department and special chemicals department. Robert S. Pierce has been appointed sales manager of the newly-formed corrosion engineering department. Edward M. Wilson, formerly an assistant to the vice-president in charge of sales, has been made manager of the government sales department.

WHO Releases International Specifications for Pesticides

A move towards worldwide standardization of insecticides used in the control of malaria and other insect-borne diseases was announced December 19 by the World Health Organization with the issuance of international specifications for the majority of this class of pesticides. The specifications are the first results of three years o' work in this field by a committee of experts.

The committee's conclusions will be included in a report which WHO hopes will become an international handbook for public health workers in ordering all the important insecticides, as well as a guide to manufacturers of these products. The report contains specifications for technical DDT, BHC, chlordane, methoxychlor and dieldrin, together with specifications for water-dispersible powders and emulsion concentrates which might be formulated from them. The report will be published in the WHO technical reports series after approval by the WHO executive board.

At its session last week, the expert committee also established specifications for aerosols and recommended dosages and formulas not only for quarantine purposes on ships and aircraft but also for general use in malaria control and for domestic purposes. It also set up standards for an aerosol dispenser.

Recognizing that knowledge in this field is still far from complete, the committee urged WHO to stimulate research on a number of problems on eradication of disease-carrying insects.

Trade Briefs

Warwick Chemical Company, a division of Sun Chemical Corporation, Long Island City, N. Y., is offering "Eumercin HRC," a substituted cylic penetrant.

Rollin P. Fisher has been appointed manager of the labor relations section of the employee relations department of American Cyanamid Company.

J. Walter Yeagley has been named associate general counsel of the Reconstruction Finance Corporation in charge of compliance and investigation.

North American Philips Company's research and control instruments division, Mount Vernon, N. Y., has begun production on an improved tinplate thickness gauge.

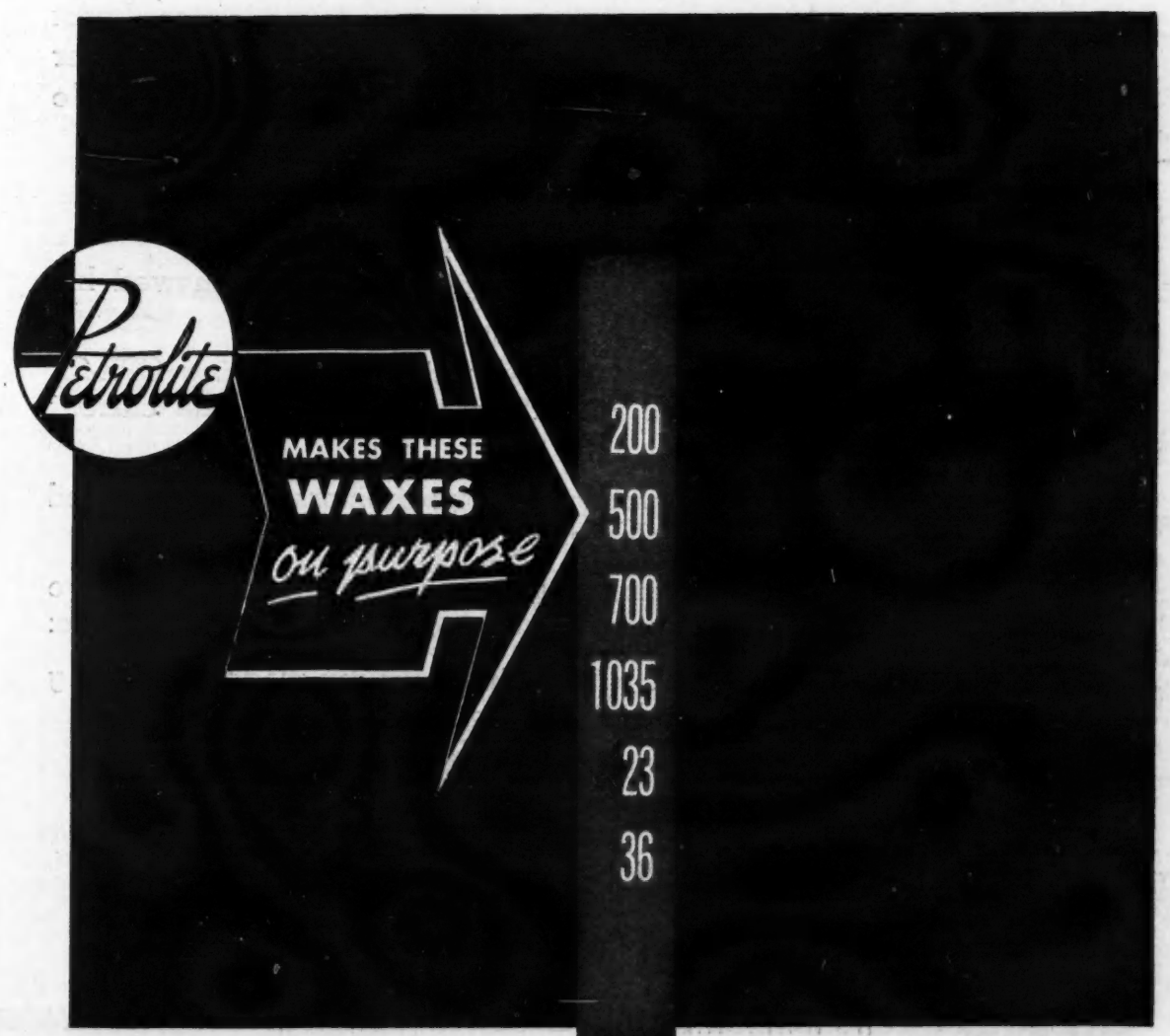
Bedford Gets Defense Dept. Expediting Post

Clay Bedford, former deputy adminstrator of the Defense Production Administration, was named special assistant to the Secretary of Defense December 19 to expedite production of military goods. Creation of the post of defense expediter was suggested recently by the preparedness subcommittee of the senate armed services committee in a report criticizing delays in military procurement.

For the last six months, Mr. Bedford has been an assistant to Charles E. Wilson, director of defense mobilization. He was a vice-president of Kaiser-Frazer Corporation during the war. He has already assumed his new duties in the Department of Defense.

Vita-Var Appoints Kerin

Vita-Var Corporation, Newark, N. J., has appointed Raymond S. Kerin eastern district sales manager of the company. Mr. Kerin will supervise and develop trade sales in New Jersey, New York, Pennsylvania, Maryland, and Washington, D. C.



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500	190/195	10 max.	2 to 2½	Nil	Nil
700	190/195	5 max.	2 to 2½	Nil	Nil
1035	195/200	2 max.	2 to 2½	Nil	Nil
*23	180 min.	4 to 6	4 to 5	20-25	55-65
*36	180 min.	5 to 7	5 to 6	30-35	75-85

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Volume 160 December 24, 1951 Number 26

To Everyone Who Reads OPD:

At this time of many greetings, a personally addressed message imposes a need for individual reply on people who are working hard to wind-up their business year. An open letter carries almost as much meaning of personal goodwill, without contributing another ounce to the overload at the post office or delaying a single secretary's Christmas shopping.

So Please Know That:

To everyone who entered a new subscription or renewed his upon expiration:

To every chemical executive who stopped studying CPR-22 and took time to give an OPD market reporter the current picture on his materials:

To every hard-pressed public relations director who remembered to send OPD a news release in time for publication:

To every advertising manager or agency account executive whose corrected copy was okayed and in hand by closing date:

To these and all others whose kind courtesy made publishing a pleasant occupation during the year 1951:

Everyone at OPD Wishes:

A Very Merry Christmas!

Washington Talks It Over

—Continued from page 5

ter for the first time ever, and if this does occur the embuttered dairy bloc can largely blame itself. It has expanded the price spread between these two bread spreads so greatly that government economists believe it provides a definite incentive to substitute margarine for butter on the dinner table.

Production of butter in the first eleven months of this year was 1,152,000,000 pounds or 12 percent less than the corresponding months of 1950. Output of creamery butter is not likely to expand in coming months, except for seasonal increases, because of heavy demand for the available milk supply in other outlets, particularly for fluid milk consumption.

Production of margarine has been stimulated in recent months by an unusually wide spread between prices of butter and margarine, and declining prices for cottonseed and soybean oils which are used in production of margarine. Prices of both oils are now lower than a year earlier, averaging around 14 cents per pound or less compared with more than 20 cents as late as April, 1951. Production of margarine in the first nine months of this year was 10 percent greater than a year earlier and for the year as a whole probably will exceed 1,000,000,000 pounds, compared with 937,000,000 pounds in 1950.

Tube Hoarding Hit

Collapsible tube users are going to be told by NPA to cut back on their inventory purchasing so that available supplies of this item can be stretched out to save tin, lead and aluminum. The cutback won't be hard on the users, however, except for those who have been accumulating excessive inventories without regard to the needs of his neighbor.

The proposal is to limit users' inventories to a sixty-day supply of each size or type of tube. As an aid to small users, it would permit inventories of 500 gross of each size and type of tube. A user whose inventory of a particular size or type of tube was less than 500 gross could accept delivery of not more than 500 gross of that size or type.

A special committee of collapsible tube users—mostly from the chemical and pharmaceutical fields—was set up recently by NPA to consider the tube supply problem and has expressed approval of the inventory limitation. It should not be a hardship on the industry because users generally carry less than a sixty-day supply of each size and type of tube. During World War II a user couldn't carry more than 250 gross in stock.

OPS Lessens Paper Work

For the convenience of smaller firms, and to lessen the paper work on employees of the Washington headquarters, OPS director DiSalle has just granted broad authority to the field offices of the price agency to pass on applications for "Capehart" ceiling adjustments filed with them by individual businesses under General Overriding Regulation 21.

GOR 21, which went into effect December 5, is the regulation under which most producers, manufacturers and processors have the option to apply for ceiling price adjustments, based on changes in their costs from the pre-Korean period to July 26, 1951. The regulation instructs applicants with gross sales of less than $1,000,000 annually to file their applications with the district offices.

It is these applications which will be fully processed in the field. The only exceptions will be in cases where the field offices are directed to forward applications to Washington for action. These, generally, will be applications covering commodities for which OPS has established dollar-and-cents ceiling prices.

OPS Unfreezes Water

November 20, says the U. S. Chamber of Commerce, which is carrying on quite a feud with the Office of Price Stabilization, will be remembered as the day OPS unfroze water.

Amendment 7 to General Overriding Regulation 7, issued that day, explained that last July, OPS unfroze "natural or distilled water when it is neither flavored or carbonated," provided it was sold in bottles. Unfortunately, says OPS, "it was not known at the time . . . that such water is sold in any other form but in bottles." It has since discovered that water is also sold in bulk to buyers who furnish their own containers, and sometimes it is put in paper or fiber containers. It really intended, says OPS, to unfreeze all such water, and amendment 7 does just that.

The order doesn't say whether OPS has yet discovered that a lot of natural water runs out of faucets. That discovery, predicts the Chamber, will presumably lead to amendment No. 8.

Renegotiation Board

The renegotiations board plans to carry on its work of recapturing excessive profits from defense contracts and subcontracts through field offices, rather than centering all its operations at its Washington headquarters. Regional offices are to be established in New York, Washington, Chicago, and Los Angeles, and will be placed in operation as soon as possible after the first of the year.

Each office will consist of a five-man board and staff. The Army, Navy, Air Force and General Services Administration will each appoint one board member and the Renegotiation Board will appoint the chairman. The renegotion act of 1951 applies to fifteen civilian agencies of the government as well as to the Army, Navy and Air Force, and the regional offices of the board will do the renegotiating for the entire group.

Another development in the program is the creation of an office of procurement affairs by the board to keep closely in touch with procurement matters. The purpose of this is to make certain that the process of renegotiation is not permitted to frustrate or impede procurement, and at the same time enable the board to keep informed on the contracts that are being let by the various agencies.

Record Keeping for Defense

The record keeping burdens of the present defense mobilization program promises to be even greater upon industry than during the last war, at least this is so in one case—the retail department stores.

Under the various orders and regulations of the Office of Price Stabilization that have affected this group of sellers, it is required that they keep copies of all invoices and sales slips for the period of the national emergency and for two years thereafter. Not only must they be kept in storage, but they must also be filed in such a way that a particular invoice or sales slip can be called for and got by an agent of OPS. During the last war, only the invoices had to be retained.

A good-size department store may have as many as 300,000 invoices a week and sales slips may run to ten times that number. Where to keep all these records is becoming a problem to some stores already. If the emergency lasts long enough more room will be needed for storage of the records than will be available for the merchandise.

For the Bookshelf

PATENTS FOR TECHNICAL PERSONNEL. By Dr. Worth Wade. Paper; 44 pages. New York: Chemonomics, Inc., $3.

This short handbook addresses itself in non-legal language to the research chemist and engineer employed in a chemical process plant.

It defines a patent, shows how to determine the presence of invention, and describes organization and functions of a patent department. It covers steps leading from inception of an idea to patent application, and from application to the issue of a patent, as well as the steps in an interference procedure involving two applications. The text is supported by charts. The final chapter supplies methods for analyzing contents of a patent, and for analyzing and checking claims.

Heavy Chemicals

Chemical index advanced to 249.8 last week from 248.2 in the preceding period. Producers of lead arsenate have lifted prices to a higher level as a result of the increased cost of litharge occasioned by the recent advance in metallic lead. Quicksilver was priced lower in a quiet market. Aluminum sulphate, barium chemicals and lead chemicals have been added to the restricted practical working inventory list by NPA. The scarcity and heavy demand for carbon bisulphide have created a definitely strong market situation. Orders for copper sulphate have been accepted for delivery in the second quarter of 1952 for defense use. Producers state there is more demand than supply of ammonia anhydrous but long range prospects indicate there will be a substantial increase in output during next year and 1953.

Light soda ash experienced temporary spurts of increased buying activity during the week. Producers stated that it looked as though some consumer inventories had run too low and had to be replenished. A similar condition existed in liquid caustic potash. Major consumers of both caustic soda and soda ash are insisting on booking the same amount of contract tonnage for 1952 as in 1951. The current cold spell has kept the demand strong for calcium chloride both for Winter cement use and ice control. The exceedingly tight supply conditions have not eased in chlorine or sulphuric acid. Tin salts are moving about as well as can be expected under government regulations but there is no shortage of stocks.

Paper production based on a percentage of six-day capacity was 97.1 percent for the week ending December 15, according to the American Paper and Pulp Association. This compared with 98.8R in the preceding week and 100.1 for the corresponding week in 1950.

Production figures appearing below, unless otherwise designated, are from the Bureau of the Census, Department of Commerce.

Ammonia Anhydrous—Most of the producers have their output sold on contract and state they could sell considerably more if stocks were available. The market position is described as firm and tight. September production of synthetic amounted to 147,508 tons, compared with 146,664 in August and 128,596 tons in September, 1950.

Ammoniac, Sal — White granular continued available for spot shipment from producers' inventories. September output of gray and white amounted to 2,332 tons, compared with 2,451 in August.

Barium Carbonate—Production of precipitated was slightly lower in September than in the previous month. The totals stood at 5,330 tons for September and 5,582 for August.

Calcium Carbide—Production well sustained and finding a steady outlet through regular industrial channels. September output of commercial amounted to 67,225 tons, compared with 68,170 in August and 55,323 tons in September 1950.

Calcium Phosphate — Supply and demand for dibasic about in balance. September production totaled 3,485 tons, compared with 4,352 in the previous month and 2,608 tons in September last year.

Carbon Dioxide—Liquid and gas production during September amounted to 21,268 tons, against a revised total of 23,463 in August and 11,706 tons in September, 1950. September output of solid, dry ice, recorded the usual seasonal reduction. The total was 48,536 tons, compared with 60,906 in the preceding month and 42,148 tons in September, 1950.

Chlorine — Market conditions have shown no important variation during the month to date. Demand is maintained at a level considerably above current production and the supply position has continued exceedingly tight in all directions.

Copper Sulphate—Supplies for nearby shipment are not any freer. Some sales for definite defense use have been made for delivery in the second quarter of 1952, but one of the important producers is not taking on civilian orders at present. Agricultural inquiries are constantly increasing and there has been no let-down in the industrial demand. Considerable business for export could be placed if stocks were available.

Phosphorus Trichloride—Demand and supply have shown a fair degree of balance so far this month. September production was slightly lower at 776 tons, against 852 in the preceding month.

Potash, Caustic — After a temporary spurt in buying interest for liquid, the market quieted down. In producers' quarters it was stated that it looked as though consumer inventories in some instances had run low and replenishment was necessary. September production was placed at 5,946 tons, compared with a revised total of 5,953 in August.

Soda Ash—Some new buying of light ash for chemical use was noted, but the movement was not extensive enough to pinch the supply. Most consumers are insisting on booking the same amount of contract tonnage as in 1951. Spot stocks have continued comfortable in both light and dense ash.

Soda, Caustic—Spot stocks of all forms are not short at present. Demand is still below seasonal expectations and the major consuming industries are not exerting unusual pressure for deliveries. Contract consumers are following the same plan as noted in soda ash.

Sodium Phosphate — Tetra production was slightly off in September. The total stood at 5,978 tons, compared with 6,177 in the preceding month and 6,581 tons in September, 1950. Acid pyro output in September was 1,016 tons, against 913 in August and 965 tons in September last year. Tripoly production in September amounted to 23,728 tons, compared with 28,434 in August and 13,759 tons in September a year ago.

Market Trends

Prices Advanced

Lead arsenate, 1¼c. per lb.

Prices Reduced

Quicksilver, $1 per flask.

Comparative Price Indexes

General Chemicals

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
249.8	248.2	248.2	223.4	243.6

Acids

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
125.9	125.9	125.9	121.9	126.1

(For Current Prices see Page 9)

Acids

Nitric — Supply and demand about equally balanced. September production amounted to 124,304 tons, compared with 123,996 in August and 107,210 tons in September, 1950.

Phosphoric—September production totaled 151,024 tons, including 77,882 tons made from phosphorus and 73,142 from phosphate rock. August output was revised to 163,038 tons and in September last year 131,302 tons were made.

Nonferrous Metals

Aluminum—Total domestic production of primary aluminum dropped to 69,429 short tons in September, according to the Bureau of Mines. An estimated loss in production of approximately 1,300 tons was caused by closing down two pot lines September 18 on the West Coast due to a power shortage. One plant at Spokane, Washington, and another plant at Vancouver, Washington, were both affected. A plant at Troutdale continued operations by using auxiliary steam power; this resulted in an additional estimated loss in production of 250 tons.

Copper—Domestic mine production of copper and custom smelter intake totaled 82,913 tons last month, a drop of 4,983 tons from October's production of 87,896 tons, according to the Copper Institute. Custom smelter scrap intake amounted to only 1,975 tons, a new low in many years, and 143 tons under October's intake of 2,118 tons. Producers and refiners delivered 123,746 tons of the metal during November to U. S. consumers. This was only slightly less than the 125,286 tons shipped to consumers in October. Refined copper output for November was placed as 103,614 tons against 104,148 tons in October. Stocks held by producers at the end of November totaled 68,160 tons, a decrease of 10,032 tons during the month.

Lead—Secondary lead smelters and refiners industry advisory committee, at a meeting with NPA, discussed a proposed order to regulate the acceptance, delivery and distribution of lead scrap. Industry representatives said that provisions of the proposed order which are designed to accelerate the flow of scrap to smelter and

For Late Market Developments, See Page 4

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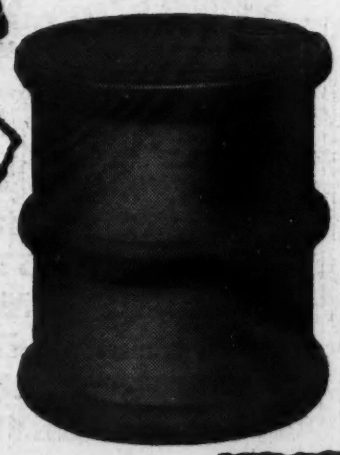

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refiners should be stressed in any distribution order. The committee expressed general approval of an NPA proposal to establish inventory control over lead scrap and battery lead scrap in the hands of dealers. This control, in effect, would require the movement of that scrap from the dealers' yards to smelters and refiners within specified periods of time. It also would limit the acceptance of scrap deliveries whose inventory, not physically located in their yards would be made to exceed the total weight of a dealer's deliveries during a specified time.

Industry representatives asked NPA to call a joint meeting of some members of the smelters and refiners industry advisory committee with representative lead scrap dealers. It was suggested that at such a meeting many problems involving effective distribution and use of both soft lead scrap and battery lead scrap can be ironed out. NPA officials indicated that such a meeting will be held.

Magnesium — Bureau of the Census states that total shipments of magnesium wrought products amounted to 1,773,000 pounds in October; 1,461,000 pounds in September and 1,269,000 in October, 1950. The 15,912,000 pounds of magnesium wrought products shipped during the first 10 months of 1951 were 56 percent above the corresponding 1950 figure.

Quicksilver—Continued absence of important buying interest has left the market situation quiet, with the tone a shade easier. It was stated that $214 per flask would be accepted for 100 flask lots, with a range upward to $218 for smaller quantities on spot. The trade is not looking for much activity over the remainder of the month.

Tin—World mine production of tin totaled 166,400 long tons in 1950, the highest since 1941, and was 4,600 tons, or 3 percent, greater than in 1949, according to the Bureau of Mines. Most of the gain over 1949 was in Malaya, Thailand and Indonesia, where output expanded 5, 33 and 11 percent, respectively. World smelter production increased 4,300 tons (3 percent), owing mostly to larger outputs in Malaya and the Netherlands, where increases of 10 and 9 percent, respectively, were made. United States mine output remained negligible.

Smelters in the United States produced 33,118 long tons of tin in 1950 compared with 35,834 tons in 1949. Output was essentially that of the government-owned smelter at Texas City. This smelter (Longhorn smelter) produced 32,136 long tons (including 44 of secondary from drosses) in 1950 and 36,053 (including 238 of secondary from drosses) in 1949. In addition, beginning in January, 1950, a new alloy, "Copan," was produced. The total production thereof in 1950 was 940 long tons, of which 743 was from concentrates and 197 from "remelts" conversion from other grade. (Copan to Copan "remelts" not counted above amounted to 152 tons).

Tungsten — Domestic production and shipments of tungsten concentrates (reduced to an equivalent of 60 percent WO_3) in the first quarter of 1951 were 1,403 and 1,306 short tons, respectively, an increase of 18 percent in production and a 6 percent decrease in shipments, according to the Bureau of Mines. Producers' stocks (60 percent WO_3 basis) were 360 tons on March 31, compared with 263 tons (revised figure) on December 31. For the second consecutive quarter all states producing tungsten reported larger outputs than in the preceding three months' period. Consumption of tungsten concentrates in the first quarter of 1951 was 3,157,400 pounds (tungsten content) compared with 2,846,300 in the preceding quarter. Stocks held by consumers and dealers were 4,593,100 pounds (tungsten content) on March 31 compared with 5,121,200 pounds (tungsten content) on December 31.

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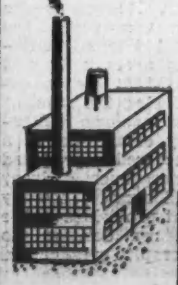

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Chemical Industry to Obtain 46.5 Percent of Steel Needs

The chemical industry has been allotted 46.5 percent of its stated requirements of structural steel for the first quarter of 1952 by the National Production Authority, according to a breakdown of steel allocations made public recently by NPA administrator Manly Fleischmann.

The basic chemicals expansion projects, many of which had to be deferred in the fourth quarter of this year, are getting better treatment in the first quarter of next year, but still are not getting all the structural steel they require, Mr. Fleischmann said by way of emphasizing the steel shortage, and many projects in this program have to be deferred.

The chemical industry was shown to be one of the five major users of structural steel in terms of tonnage. The amount allotted to the industry for the first quarter was 32,733 tons against stated requirements of 70,291 tons. This compares with about 20,000 tons allowed for the fourth quarter.

The aircraft ordinance industries received 94.5 percent of requirements; the aluminum, magnesium and light metals industries received 98.6 percent of requirements; the machine tool and general industrial equipment industry received 62.6 percent of requirements, and the iron and steel mill products industries received 72.4 percent of requirements.

Great Lakes Elects Meader

John W. Meader, economist for Great Lakes Carbon Corporation, New York, has been elected assistant vice president of the corporation. Author of numerous articles on engineering and economic subjects, Mr. Meader served from 1941 to 1945 as consultant in the US Bureau of Aeronautics in aircraft production, weapons development, and operations analysis.

Yale & Towne Appoints Conklin Philadelphia Division Sales Mgr.

James H. W. Conklin has been appointed general sales manager of the Philadelphia Division, Yale & Towne Manufacturing Company. Mr. Conklin succeeds James P. Kinney who is taking over Yale & Towne's distributorship in Los Angeles and Southern California. The new general sales manager comes to Yale & Towne from the sales department of the Pangborn Corporation, Hagerstown, Md.

Copper Range Co. Gets Certificate of Necessity

The Copper Range Company, of Anatonogan, Mich., which was recently granted a loan by the Reconstruction Finance Corporation for copper ore exploration and development, has been authorized by the Defense Production Administration to accelerate the depreciation costs of the project.

The investment in the development amounts to $57,185,000, and a tax certificate has been authorized by DPA covering $40,812,000 of the investment. This figure is broken down into two amounts, $30,812,000, of which 75 percent is eligible for rapid write-off, and $10,000,000, of which 55 percent is eligible for accelerated depreciation.

Sun Oil Names Two

Appointment of Charles W. Shelley as office manager for Sun Oil Company's middle Atlantic regional office at Philadelphia has been announced by Donald P. Jones, comptroller. Mr. Shelley formerly served as office manager of the Baltimore, Md., district. Mr. Jones has also announced the appointment of Edward G. Englert as office manager for Sunoco's Albany, N. Y., district. He formerly was office manager at Jackson, Mich.

Trade Briefs

Robert G. Danehower, an attorney for the Pennsylvania Salt Manufacturing Company, Philadelphia, has been admitted to the bar of the Supreme Court of Pennsylvania.

Parker Appliance Company, Cleveland, Ohio, has issued a seventy-six-page catalog given data on tube fittings, tube-to-pipe adapters, fabricating equipment, engineering selection and installation.

Kenneth C. Towe has been elected to the board of directors of the Putnam Trust Company, Greenwich, Conn. He is vice president in charge of finance and a director of the American Cyanamid Company.

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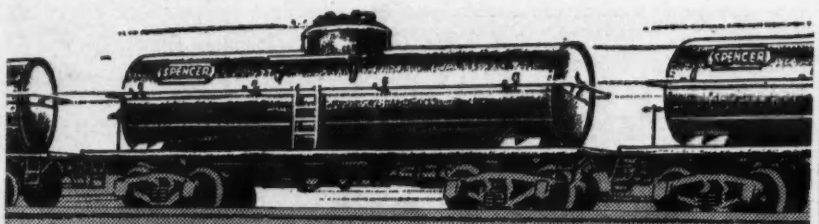

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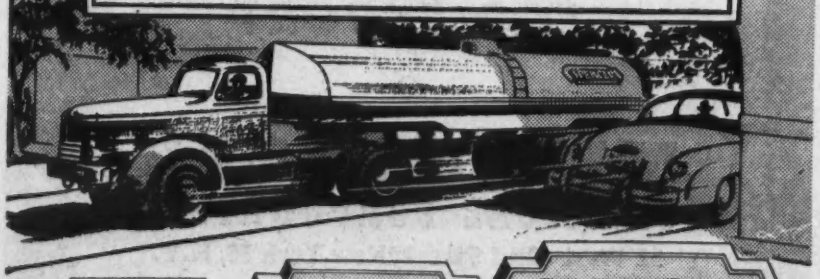

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Imported Lead Contracts Not Affected by Controls

The National Production Authority has announced that existing and future contracts for imported lead will be unaffected by NPA's current program for allocating both foreign and domestic lead. The lead allocation for foreign lead will be conducted under order M-76, effective January 1, and announcement of the January allocation will be made soon.

It was emphasized that it is the intent of NPA to maintain normal customer-supplier relationships in the field of imported lead, consequently the existing importing arrangements as well as agreements contemplated in the future will not be disrupted by any NPA allocation, provided that consumers maintain their operations within the use limits of lead order M-38.

In order not to hinder normal deliveries of imported antimonial lead, NPA requested that anticipated receipts of such material be reported by letter at the time of filing form NPAF-115 so that special authorization may be granted promptly.

Ind. Standard Research Posts to Abbott, Jacobs

T. A. Abbott will be appointed to a new position as manager of the engineering research department of Standard Oil Company (Indiana), Chicago, January 1. Dr. R. B. Jacobs will be appointed to a new position as technical director of the department.

Mr. Abbott joined Standard in 1946 as executive director of the engineering research department. He previously had served with Republic Flow Meters Company, Armour Research Corporation, Kellex Corporation, and General Electric Company. Dr. Jacobs joined the company in 1947 as associate director of the engineering research department after serving with the National Research Council.

Cyanamid Names Barthal

American Cyanamid Company, New York, has announced that J. C. Barthal has been placed in charge of new products development for the paper chemicals department. He will report to the department's technical director. He was formerly senior chemical engineer at the company's Stamford research Laboratories in Stamford, Conn. Before joining Cyanamid, he was employed by the Institute of Paper Chemistry, Appleton, Wis.

Monsanto Names Three

The appointment of three staff members in the design section of Monsanto Chemical Company's organic chemicals division engineering department, has been announced. George J. Danner will become project engineer, Delmer E. Munie will become design engineer and Orville F. Bremer will become drafting squad leader. The appointments will become effective in the near future.

Trade Briefs

Harris M. McLaughlin has been elected to the board of Zonite Products Corporation.

United States Rubber Company, New York, has named Carlton H. Gilbert to the newly-created post of advertising manager, effective February 15.

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Textile and Leather Chemicals

Firmness in sizing materials featured the textile and leather chemicals market last week, despite the usual let down in consuming demand during pre-Christmas holidays. Corn derivatives were stronger and dextrin, starch and tanners sugar were lifted fractionally with the increased cost of the grain. Potato starch was strong due to sold up production of starch in Idaho, which resulted in a marked scarcity of offerings for shipment to the East from that section. Supplies from Maine were practically unavailable due to the light production there. Tapioca flour also was firm reflecting the increased cost of replacements. Price index advanced 0.1 point.

In the chemical group, increased inquiry was reported for early next year requirements. Prices were without change and some contracts were booked for delivery during the first quarter next year.

Office of Price Stabilization reduced price ceilings on cattle hides five cents per pound and calf and kipskins about 18 percent in a revision of Ceiling Price Regulation 2, effective December 19 until February 16, 1952. Hides and skins are selling at less than the new ceilings. OPS stated the lower ceilings would hold down possible future price increases and will bring kip and calfskin prices down to the level prevailing when the Korean war started. This action the agency stated, would benefit small producers and dealers and still recompense all collectors of hides for handling small lots.

Federal Trade Commission has revised fair trade practice rules for the rayon and acetate industry. New rules become effective in sixty days. The commission has attempted to clear up the classification and labeling muddle existing in rayon and acetate textiles for several years. The new code marks the first sanction by the government of the use of the term manmade as applied to industry products in contrast to past usage of synthetics and chemicals.

Market Trends

Prices Advanced

Corn dextrin, 15c. per 100 lbs.
starch, 15c. per 100 lbs.
tanners sugar, 15c. per 100 lbs.

Prices Reduced

None

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
329.9	329.8	332.3	225.1	271.5

(For Current Prices see Page 9)

Chemicals

Bichromates—Deliveries moved steadily against former contracts. Supply condition was slightly better, although offerings were still limited. Prices were unchanged and firm. Finland's imports of sodium and potassium bichromates have come principally from South Africa, but stocks from that source are becoming increasingly difficult to obtain. The supply situation in the Federal Republic of Germany and the United Kingdom, the leading European sources, is stringent. Only 90 metric tons have been received from Germany in 1951 under a quota of 300 tons and it is considered doubtful if the entire amount can be obtained. Supplies from the United Kingdom are uncertain. Imports of sodium bichromate from the United States in 1950 totaled 132 tons, compared with 90 in 1949. No potassium bichromate was imported from that source in 1950.

Sodium Hydrosulphite—Moderate quantities were in fair demand for prompt delivery. Export inquiry was slow. Prices were unchanged and steady.

Sulphonated Oils—Consuming inquiry lacked snap. Tallow grades were easier with the lower cost of tallow, though small lots were maintained at current quotations. Scarcity of castor oil was reflected in sulphonated grades.

Sizing Materials

Corn Dextrin—This market was firmer and quotations were raised 15c. per 100 pounds for all grades. Business was quiet, as is usual at this season. Gum was raised to $8.86 per 100 pounds, paper bags, carlots, New York delivery: canary, $8.60; dark, $8.70 and white, $8.44, same basis. Less carlots were 15c. per 100 pounds more.

Corn Starch—Higher corn market was reflected in starch and prices were lifted 15c. per 100 pounds. Pearl was quoted at $7.05 per 100 pounds, paper bags, carlots, New York, and smaller quantities were 15c. higher. Visible corn supply increased 993,000 bushels to 44,565,000 bushels for the week ended December 15, compared with 51,703,000 bushels for the same time last year. Government final report placed the corn crop at 2,941,000,000 bushels, compared with 1950 production of 3,057,000,000 bushels, and 1940-49 average of 2,980,777,000 bushels. Acreage harvested this year amounted to 81,306,000 acres, against 81,817,000 acres last year and 1940-49 average of 87,882,000 acres.

Corn Sugar — Tanners grade was advanced 15c. per 100 pounds. Chipped was quoted at $7.19 per 100 pounds, paper bags, and $7.21, barrels, carlots, New York delivery.

Egg Albumen—Limited supplies on spot were firmly maintained at unchanged prices. Demand was fairly active for immediate needs. Flake was quoted at $2.13 to $2.15 per pound, and powdered, $2.17 to $2.19 per pound, depending upon quantity. Technical also was scarce and well held at $1.07 to $1.09 per pound, as to quantity.

Egg Yolk—This market remained steady and quotably unchanged. Stocks were reported light. Supplies on spot were held at $1.07 to $1.09 per pound, according to quantity.

Potato Starch — Supply situation has further tightened, due to soldup production. Offers from Idaho were sharply reduced, while production in Maine continued extremely light. Consuming inquiry was fairly active for early next year delivery. Market was firm and more or less nominal due to scarcity of offerings. Carlots were quoted at 6½c. per pound, f.o.b. Idaho, and 7½c., f.o.b. mills, Maine. Supplies on spot were maintained at 8¾c. to 9c. per pound, exwarehouse, depending upon quantity.

Tapioca Flour—Prices were firm at the recent advance, reflecting the increased cost of replacements. Business was reported confined to small lots for actual needs. High grade was quoted at 7¼c. per pound, carlots, exdock, and 7¾c. to 8c. for smaller quantities, exwarehouse. Medium ranged from 6¾c. to 7c. per pound, exdock, carlots, and 7½c. to 7¾c., exwarehouse.

Tanning Materials

Office of International Trade increased export quotas of various hides and skins in the fourth quarter due to a more favorable supply situation in this country. Export quotas for wet cattlehides and buffalo hides, previously established at 30,000 hides were raised to 45,000 hides. Wet and dry calf and kip skins quota formerly set at 50,000 skins were increased to 75,000 skins. Applications covering new orders as well as applications which could not be approved by OIT because previously established fourth quarter quotas were exhausted must be filed promptly in order to receive consideration in licensing of supplemental quotas.

Chestnut Extract — Although trading was inactive, the market remained steady. Prices were maintained at former levels. Supply condition has eased and stocks were adequate to cover demand.

Myrobalans — Bombay J1's were available for shipment at $51 to $52 per ton, exdock, while guaranteed tannin content material was held at about $5 more per ton. Crushed J1's ranged from $75 to $80 per ton, same basis.

Quebracho Extract — While consuming inquiry for replacements was quiet, primary markets continued unchanged and steady. Shipments were maintained at current levels. Solid ordinary was held at 11 31/65c. per pound, and clarified, 12 3/16c. per pound, exdock.

Valonia—This market was firm and offers for shipments were closely held. Cups were maintained at $69 to $70 per ton, exdock. Beards were unchanged and nominal at $88 per ton, same basis.

Wattle — Primary market continued steady and unchanged. Consuming inquiry continued slow. Offers for shipment were fairly liberal but attracted little buying interest. Fair average bark was held at $106.50 per ton and merchantable at $103.50 per ton, exdock. Extract was quoted at 11½c. per pound, exdock, duty extra.

For Late Market Developments, See Page 4

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Agricultural Chemicals

Lead arsenate was priced higher last week. The upward revision was the result of the recent advance in litharge occasioned by the increase in the price of metallic lead. Synthetic ammonium ulphate is tagged for higher prices and some of the producers of ammonium nitrate will advance prices $3 per ton effective January 1. There was no easement from the tight position of coke-oven ammonium sulphate and superphosphate continued exceedingly scarce and will likely remain so until the active season is over in June. Inquiry for sodium nitrate is increasing with buying interest expected to gain momentum during January and February. Imported nitrate is arriving steadily and it was stated that total importations during 1952 will at least equal those of 1951. The movement of domestic potash to fertilizer mixers is fair but not unusually heavy at present.

Steamed bone meal held firm at the late advance with demand from the feed trade sustained at a high level. Dried blood and tankage were relatively quiet at unchanged prices. There was no activity in hoof meal. Fish meal remained firm and tight with menhaden definitely scarce. Production of castor pomace was routed against old contracts and no additional stocks reached the open market. No nitrogenous process tankage is being made in the local area at present.

Nitrogenates

Ammonium Sulphate — Coke-oven sulphate as well as synthetic have retained a tight supply condition. The latter is decidedly strong with an upward tendency. The Census Bureau places production of technical synthetic at 53,288 tons for September, against 49,966 in the preceding month and 59,591 tons in September, 1950.

United States supplied more than 90 percent of the imports of fertilizer by the Republic of the Philippines in the fiscal year 1950-51, or 92,955 short tons. Japan shipped 1,500 tons of ammonium sulphate, whereas purchases from Canada included 7,110 tons of ammonium phosphate and 320 tons of other types. Small quantities of ammonium phosphate, ammonium sulphate, potash, and other materials were received from the Netherlands, France, and Germany.

Bone Meal—No additional price changes were noted last week. Steamed was firm at the late advance with feed demand still holding. Raw found a fair outlet at $72.50 per ton works.

About 100,000 metric tons of organic fertilizers are used annually in Brazil, principally in the form of bone meal, oil cake, dried blood, tankage, compost, and other materials. This amount is in addition to consumption of chemical fertilizers, which is estimated at about 300,000 tons in the fiscal year 1950-51.

Sodium Nitrate—Buying interest is following regular seasonal lines and is expected to gain momentum in January and February. Stocks are meeting requirements without difficulty and it looks as though as much imported nitrate will arrive in 1952 as in 1951.

Phosphates

Phosphate Rock—Market situation remained in balance. Export orders have prevented excess stocks and have kept stocks of high grade rock relatively scarce. Japan is booking a lot of material for February-March-April shipment.

Mine production of phosphate rock in the United States in 1950 reached a record high of 11,114,159 long tons, exceeding the previous record of 1948 (9,388,160 tons) by nearly one and three quarter million tons according to reports submitted by producers to the Bureau of Mines. Increases were shown in Florida, Tennessee, and most of the western states. Supplies of phosphate rock were plentiful and large quantities were added to the stocks in producers' hands.

Superphosphate—No indication of easement in the tight supply position is in sight at present and some of the producers do not look for any improvement in stocks prior to next June.

Domestic production of superphosphate during October totaled 764,284 short tons for normal, 53,132 tons for concentrated, and 8,866 tons for wet-base goods, according to the Bureau of the Census. While these figures show declines from the amounts produced for October, 1950 of 4 percent for normal and 11 percent for the concentrated grade, the totals for the period January through October, 1951 are slightly higher than for the corresponding period of 1950.

Shipments of normal and concentrated grades in October, 1951 were respectively 16 percent and 21 percent less than amounts shipped in October, 1950, but respectively only 3 and 6 percent less during the 10-month period in 1951 than for the same period in 1950. Stocks on hand for October 31, 1951, compared with quantities held at the end of October, 1950, are 1 perecnt lower for normal superphosphate; 17 percent higher for concentrated; and 10 percent lower for wet-base goods. In tonnage figures, stocks of normal on October 31 were 987,229 tons, triple 68,878 tons and wet-base 11,390 tons.

Potashes

Domestic producers are in a position to make contract shipments promptly but the movement to mixers of late has not embraced unusual dimensions. The slight easement in demand has permitted producers to hold the market in a satisfactory state of balance.

Pesticides

BHC dry dust 50 percent (cotton dust) prices have been lowered under keen competition and the market closed unsettled. In producing quarters it was stated that the decline will eventually be reflected in the technical grade. Lead arsenate is priced higher as a result of the recent advance in litharge. There has been an active inquiry for BHC for export and it is hoped that suppliers' complaints to the Department of Commerce will result in incrasing the number of licenses. At present it looks as though there is going to be enough 2,4-D to meet the new season's requirements but the shortage of 2,4,5-T is expected to continue indefinitely.

Lead Arsenate—Priced higher for the acid grade to dealers at 30c. per pound for 3-pound packages or larger and at 31c. for l.c.l. f.o.b. the works. One pound packages are priced at 43c. per pound in carlots and 44c. or less, f.o.b. works. Higher producing costs accounted for the upward revision.

Brazilian Ministry of Agriculture estimates that around 10,000 tons of sprays and fertilizers are on hand or will be made domestically, that some 26,000 will be required, and that, therefore, around 16,000 tons will have to be imported if local output doesn't use. Necessary BHC imports were figured at 1,776 tons for use on coffee and cotton plantations. Domestic production and stocks on hand were figured at 3,157 tons. Some 1,290 tons of DDT should be imported, according to the estimates, about 8,355 tons of sulphur for dusting cotton and for killing ants and moles. It was reckoned that imports of toxaphene ought to run around 450 tons, of mixed oils about 500, metaldehyde 50 tons methyl bromide 200 tons. Imports of around 3,225 tons of copper sulphate will also be required in line with needs, it was figured.

Sulphur

No nearby easement in the supply position in sight. Demand is sustained at a high level with current production insufficient to level off acid and other industrial requirements in full. The market situation is tight with distribution tagged for government regulation.

An important oil company in Canada, expects to produce elemental sulphur from Alberta natural gas at the rate of 10,000 long tons annually early in 1952. Another company also plans to obtain sulphur from natural gas at the rate of 7,000 tons a year by April or May, 1952.

Market Trends

Prices Advanced
Lead arsenate, 1¼c. per lb.

Prices Reduced
None

Comparative Price Indexes
(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
92.5	92.5	92.5	82.2	87.1

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

Sunset Fertilizer Opens Plant in Bartlesville, Okla.

A new 20,000 ton per year superphosphate and fertilizer mixing plant is now in full production at Bartlesville, Okla., according to an announcement by Sunset Fertilizer Company. Truck and rail shipments are being made to dealers in Oklahoma, Kansas, Missouri and Arkansas.

Offices for the company are located at 1220 West Frank Phillips boulevard. The new plant, with facilities for producing a complete line of mixed fertilizers, occupies several large buildings on an industrial site in west Bartlesville.

Lindane Gets Approval Of Quartermaster Corps

The research and development division of the Quartermaster Corps has specified lindane for control of various insects infesting military personnel and their quarters both domestically and overseas. Specifically, the army and navy will use lindane dusting powder to control body, crab and head lice, fleas, bedbugs and other crawling insects on military personnel and in quarters. Nearly 1,000,000 pounds of insecticide powder dusting lindane are scheduled for delivery this month by the California Spray-Chemical Company, Richmond, Calif., for shipment to the armed forces in Japan and Korea.

Monsanto Advances Two In Its Phosphate Division

Donald Dunwoody, assistant branch manager of Monsanto Chemical Company's phosphate division office at New York, has been promoted to branch manager. He succeeds T. S. Foley, branch manager since 1935, who has transferred to the division's headquarters at St. Louis to handle special sales promotion assignments.

Mr. Dunwoody joined Swann Chemical Company, predecessor of Monsanto's phosphate division, in 1931. In 1935 he was transferred to the New York office, becoming assistant branch manager there in 1945. Mr. Foley was employed by Swann in 1925. He held a variety of positions at Anniston and Birmingham, Ala., prior to the acquisition of Swann by Monsanto. In 1935 he became New York branch manager for the newly-formed phosphate division.

Trade Briefs

Andrew Technical Service, Chicago, has developed a new portable one-quart motor-driven tumbler.

Dr. Nathan R. Smith, soil microbiologist in the Department of Agriculture for forty years, has retired.

Frederic E. Myer, Office of Foreign Agricultural Relations technician, has been named to serve as an adviser and a trainer of instructors in vocational training technics at Brazil's National Training Center for Rural Engineering at Fazenda Ipanema, Sao Paulo.

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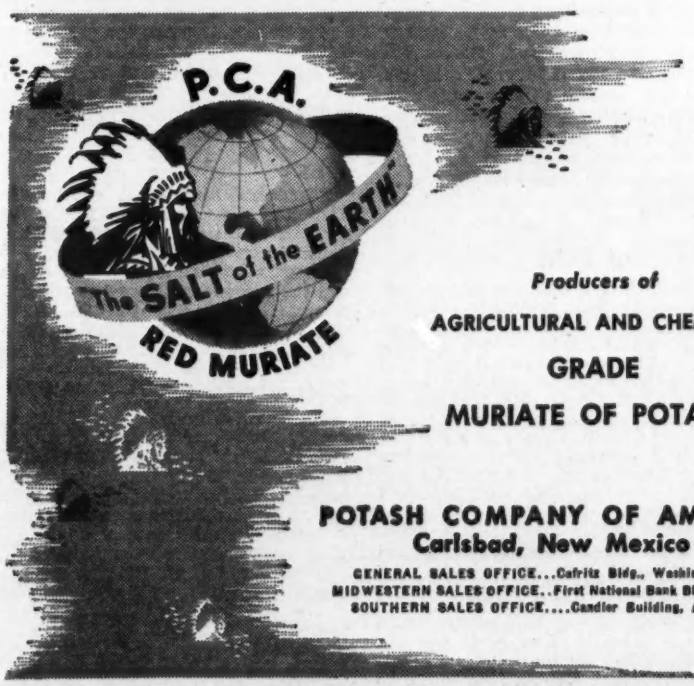

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Petroleum Derivatives

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

The supply of toluol was unchanged from its tight position of recent weeks, with high government demand the principal contributing factor. The taking of large quantities of of this material by the government was, of course, affecting both the producers and the industrial consumers. Xylol was pretty much unchanged from the previous week. Supply was not at the highest levels but it was available. The relationship between the supply and demand of intermediate aromatic solvents was good, as it had been in the recent past. Demand was at higher levels than it had been thirty days ago. Higher boilers held pretty much to their previous position, with the supply and demand about in a balanced position.

The aliphatics were moving well. They were not at the highest levels, but, on the other hand, they were not in a slump. Supply could not be called particularly long but there was enough of it to accommodate the requirements of consumers without any special difficulty. The heavy demand season for butane and propane was here and these items were moving well and were expected to continue doing that as long as the cold weather persists. The supply was, of course, tight, which was an expected thing at this time of the year.

Microcrystalline wax held to its position of previous weeks. The demand was not at a particularly high point. The demand for paraffin was running at average levels and there was enough of it to accommodate the ordinary requirements of the market. By the end of the week the 132-134 ASTM and the 135-137 ASTM had settled at new lower prices.

A continuation of the good inquiry was still evident for petrolatum last week. The supply showed no variance from its recent adequate levels. There was no particular change in white mineral oils. Consumers were still purchasing it in good amounts and there was enough of it available to satisfy their requirements. The drums situation had been fairly good recently for petrolatum and white mineral oils as a result of efforts that producers have been making to have their empty drums returned.

Solvents and Diluents

High government demand for toluol kept the supply tight. Producers as well as the consumers were affected by the condition. Xylol continued in an unchanged position on demand. Supply was at a good point but it was not what could be called abundant. Intermediate aromatic solvents held to a good position as far as supply and demand were concerned. In the last month or so the demand has shown considerable improvement. Higher boilers were in a pretty well balanced position.

Cleaners' Naphtha—Conditions held unchanged for the most part in the market for this material during the past week and there were no indications that there would be any revisions in the immediate future. The supply was strong enough to accommodate the market, although it was not what could be called long. The demand was at good levels, although not quite so strong as it might be.

Lacquer Diluent — This product was moving satisfactorily in the past week, although it was not at what could be called the highest levels. The supply was not abundant but there was enough of it to accommodate the requirements. Prices held at unchanged levels.

Mineral Spirits—The market was without any particular change last week, and there was no great turn expected in either the supply or demand position. The movement of material was at good levels, although not at the highest and the supply continued on the strong side without being over-abundant. There were no changes in the price structure.

Rubber Solvent—The situation last week was about what it had been in the recent past with regard to supply and demand as well as price. There was enough of the material available to accommodate the market without any pinch, although there was not what could be called an abundance of it. The demand held at the good levels of the recent past without being as high as it could.

Stoddard Solvent—The picture showed no change last week. The demand held at a good point despite the fact that it was not as high as it could be and the supply was strong enough to take care of it. The item could not be called in oversupply, however. There was no change in the price structure.

V. M. & P. Naphtha—The conditions that had prevailed in this market in previous weeks were still pretty much in effect last week and there were no indications that there would be any immediate changes. The supply was at a high enough point to take care of the requirements of consumers without pinch, although there was not an abundance of material. The demand held at what were considered good, although not the highest levels. The price structure was unchanged.

Lighter Fractions

LPG's—The demand continued at the good seasonal levels for butane and propane last week and was expected to go on that way as long as the weather stayed cold. The supply was tight, which was an expected thing at this time of the year. The price structure was unchanged in the Group 3 area, although there was a stronger tone in the East.

Waxes

Microcrystalline — A continuation of past conditions prevailed in the market for this material during the week. The demand was not at high levels.

Paraffin—This material was obtainable and the demand continued to run at about average levels. The 132-134 ASTM and the 135-137 ASTM had by the end of the week settled at .0755.

Miscellaneous

Crude Oil—Production in Saudi Arabia during November amounted to 26,900,263 barrels, or an average of 896,675 barrels per calendar day. Crude processed at a refinery at Ras Tanura amounted to 5,252,219 barrels, or an average of 175,074 barrels per calendar day. Production for the first eleven months of 1951 amounted to 251,494,159 barrels, an average of 752,977 barrels per calendar day. Crude run in the refinery for the same period was 49,247,315 barrels, an average of 147,447 barrels per calendar day.

The Texas Railroad Commission lowered the state's crude oil production allowable for January. The reduction marked the third successive monthly cut. It was accomplished by putting the state generally on twenty-two producing days during January, compared with twenty-three days this month. The amount of oil which may be produced in January was set by the commission at 2,895,180 barrels. This was less by 86,825 barrels from the allowable in effect December 15. The largest reduction was made in west Texas, amounting to 39,517 barrels a day. The smallest cut of any of the twelve districts was in the Panhandle. There it amounted to only seven barrels a day.

Petrolatum—Consumption of this item last week continued at the good levels that had been apparent for some time. The situation on drums continued pretty good as a result of the efforts of producers to have their empties returned for re-use. The supply held at the good point of the recent past.

White Mineral Oils—Supply continued adequate for the current requirements of consumers. The demand held at the good point that had been apparent recently and the expectations were that it would continue that way. The drums situation was fairly good since efforts had been made to have empties sent back to producers.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended December 8 totaled 259,085,000 barrels, according to the Bureau of Mines. Compared with the total of 260,901,000 barrels for the preceding week, this represents a decrease of 1,816,000 barrels, comprising a decrease of 1,703,000 barrels in stocks of domestic crude and a decrease of 113,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

Indiana Standard Appoints Scheineman Chief Engineer

F. W. Scheineman, assistant chief engineer of the manufacturing department of Standard Oil Company (Indiana), Chicago, will be promoted January 1 to chief engineer. He will succeed D. A. Monro, whose appointment as manager of the company's purchasing department has been previously announced.

Dr. F. H. Blunck, superintendent of the projects division at Standard's Whiting, Ind., refinery, will be advanced January 1 to a new position in the general office manufacturing department as manager of the projects, capital expenditures, and miscellaneous contracts division.

The manufacturing department, meanwhile, made three other personnel changes December 1. C. A. Cogan, section supervisor, was appointed to a new position as superintendent of the projects, capital expenditures, and miscellaneous contracts sections. F. C. Smith, section supervisor, has become superintendent of the operations and cost control sections, a new position. W. N. Bercaw, personnel section supervisor, was appointed superintendent of the personnel section.

Texaco Elects Four

The Texas Company, New York, has announced the election of four new vice-presidents. Oscar J. Dorwin, general counsel, has been made vice-president and general counsel. A. N. Lilley, general manager of foreign operations-Eastern Hemisphere, has become vice-president in charge of that department. James H. Pipkin has been promoted from general manager of industrial and public relations to vice-president in charge of that department. A. M. Ottignon, who has been assistant to the president, has been elected a vice-president and will head the newly-created supply and distribution department.

Standard-Vacuum to Build

The Indian government has signed an agreement with Standard-Vacuum Oil Company for the first of three refineries designed to supply India with the bulk of its gasoline needs. In making the announcement, the New Delhi government said Standard-Vacuum will erect a 1,000,000-ton capacity refinery at Bombay.

Wyoming, New Mexico Oil Lands Offered for Leasing

Nearly 400 acres of Wyoming and New Mexican lands will be offered for oil and gas leasing at competitive bid sales to be held by the Bureau of Land Management at 1 p.m. EST, January 2, it has been announced by the bureau. Bids must be submitted on or before that date to the bureau and awards will be made to qualified bidders of the highest cash amount per acre as a bonus for the privilege of leasing the lands under the mineral leasing act.

The Wyoming land, totaling 319.69 acres, is located approximately twenty-nine miles northwest of Thermopolis, Wy., in the Grass Creek field. The New Mexican land is located thirty-eight miles east of Artesia, N. M., in the Maljamar field, and totals eighty acres.

Houdry Licenses Blaw-Knox

Chemical plants division of Blaw-Knox Company, Pittsburgh, Pa., has been licensed by the Houdry Process Corporation to use certain of the latter company's processes, designs for equipment, and technical information relating to catalytic treatment of petroleum and other hydrocarbons.

Trade Briefs

E. E. Pyles, vice-president of Jergins Oil Company, has been elected a director.

Frank E. Hansen, superintendent engineer in the marine transportation department of Socony-Vacuum Oil Company, New York, since 1946, will retire December 31.

Ben G. Symon, manager of the Shell Oil Company lubricants department, has been elected chairman of the lubrication committee of the American Petroleum Institute.

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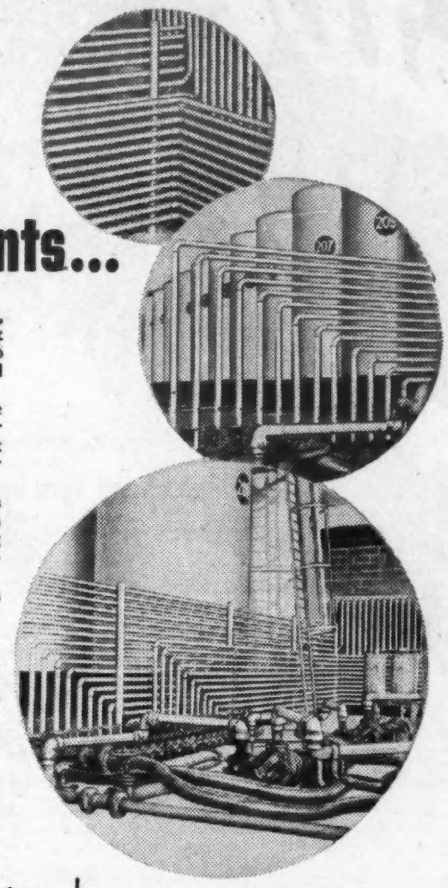

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Coaltar Chemicals

The only price change noted in the market last week was a further weakening in the spot cresylic acid market, where the quotations of some importers dropped by 3 cents per gallon. There were reports of some material at lower prices, but this was the result of certain consumers trying to unload inventories at the year end.

Business volume in intermediates was off sharply at the year-end. This was due primarily to the purchasing policy of consumers over the past year, who bought well in excess of needs as a hedge against expected scarcities—scarcities which on many items would not have developed had they stuck to normal buying practices, it was said. The result was that some consumers are asking producers to take material back which had been bought as long as a year ago. Some industries, particularly those related to textiles, have suffered a real business volume set back for the last eight months, but most let up chemical demand now was attributed to heavy inventories on raw material and finished products.

Anything, it was said, that is used to make adhesives has been hard hit by curtailments in the building and other trades. In the coaltar chemical field this hit such items as cresylic and phenolic derivatives.

Overall supply on phenol was still on the short side, although the pressure was easing steadily. Naphthalene was regarded as tight, with the future outlook somewhat improved. Even pyridin was easing, some producers being in a relatively good position, although some producers were still about 90 days behind on deliveries.

Anilin was an item which was free in some spots and still short in others. Most dyestuff intermediates were easy. The outlook for phthalic anhydride was said to be improved.

The largest amount of steel ever tc be made in a week in the United States was produced last week. The American Iron and Steel Institute announced the steel production rate for the week ending December 22 was 104.9 percent of theoretical capacity, equivalent to 2,097,000 tons of ingots and castings. This production figure is 8,000, tons higher than the total of the record week ending November 3, 1951, when the furnaces operated at 104.5 percent of theoretical capacity.

Basic Products

Benzol—The availability of benzol remained in the same position as it has been through the past several months. The gradual increase of production of the basic coaltar materials, together with a decline in demand for intermediates, have made the supply situation less critical, but production has not yet reached a point where the supply is near balance with the demand. The potential demand for benzol was great enough to absorb all small increases in production. It was felt that a better balance will not be forthcoming until petroleum source production facilities are increased late next year.

The feeling in the industry is that this material will become tighter during the first quarter of next year. The expected increase in pesticide, insecticide, and weed killer, production was one of the reasons explained for the predicted tightening.

Creosote—This tar oil product continued to be in good supply, leaving the market position pretty much in balance. Producers felt that the good supply of creosote was the result of the letup in the wood preserving industry during 1951. Since no immediate increase in demand is expected, producers felt that this item should remain plentiful throughout the first quarter of next year.

Cresols—As was the case of coaltar acids in general, cresols continued to ease in their supply and demand relationship. It was not felt that there would be any tightening until there is a lifting of restrictions on the building trades, and a pickup in plasticizers, and production of cresylic resins.

Cresylic Acid—Further easing of this tar acid was noticed last week. The slight decrease in demand for coaltar acids, suppliers said, was due to the ability of consumers to build what they considered adequate inventories over the past several months. The slackening of demand was more noticeable in the imported material than in the domestic. Consumers had little trouble getting the amounts of domestic acid which they needed.

ADF acid dropped another 3 cents per gallon last week, bringing the range down to $1.38 to $1.50. Importers felt that inventory conscious consumers were holding off in order to attain low inventories before the end of the fiscal year. Any change in the market depends upon what these consumers do after the first of the year, it was said.

An occasional spot sale of imported cresylic was noted at $1.30 per gallon. However, it was felt that these sales were transacted by consumers unloading inventories either directly to other consumers or through brokers. These $1.30 spots were not representative of the market, which was $1.35 at its lower limits.

It was said that new contracts beginning the first of the year were still being signed at the $1.50 level.

Naphthalene—The domestic crude product continued to be in short supply. Consumers found that the supply of refined naphthalene was easing slightly, as was the imported crude product. This led to an overall better crude naphthalene outlook, stemming primarily from decreased consumption of derivatives.

Increased production has allowed most consumers to meet present needs for the crude material. There has been no evidence that consumers have been able to accumulate adequate inventories, yet the buyer resistance to the higher priced imported material continues. This situation was explained as a period of waiting for the prices to drop even further than they have in past months. This resistance is fortified by hopes for increased production next year. Consumers feel that the supply status of this item will not grow more critical early next year. Therefore, there is less desire for substantial inventories.

Phenol—Continued easing of this coaltar product was in line with the trend of other coaltar acids. The reduced demand brought about by the slack in production of phenolic resins, adhesives, and protective coatings has allowed producers of phenol to partially catch up on their back orders. Even though the supply position is healthier, the demand for this material is great enough to keep the supply short of balance. The prices have been steady after recent adjustments, and are expected to carry into next year.

Pyridin — This coaltar basic was described as tight. The slight decrease in demand over the past few weeks has been unable to bring pyridin anywhere near balance, the potential demand being great enough to overcome any softening of the supply position. Whatever slackening of demand there has been was attributed in part to the expectation of the marketing of an alkyl substituted pyridin. This material, 2-ethyl-5-methylpyridin, will not be available in quantity until next year.

Toluol—The market for toluol remained relatively unchanged. The supply position is better than it was a few months ago when a greater percentage of the coaltar distillers' production was going into direct defense production. The slack in the paint industry's demand has also helped to bring toluol closer to balance. The continued allocation of nitration grade material for defense production, it was felt,

Market Trends

Prices Advanced
None.

Prices Reduced
Acid, cresylic, imported, 3c. per gal.

Comparative Price Indexes
(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
137.0	137.0	136.8	107.5	133.0

(For Current Prices see Page 9)

Coal Chemicals

Total estimate of chemical recovery cokeoven operations in the week ended December 22, indicate the following output of chemicals from that source:—

Ammonia liquid NH_3	lbs.	1,022,388
Ammonia sulphate	lbs.	35,293,406
Benzol	gals.	3,445,306
Coaltar	gals.	15,685,958
Creosote oil	gals.	630,239
Naphthalene, crude	lbs.	2,142,814
Pyridin, refined	lbs.	25,210
Toluol	gals.	651,247
Xylol	gals.	166,064

For Late Market Developments, See Page 4

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- tar acid oils
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would keep toluol short of balance at least for the next quarter.

Xylol—Consistent with the past few weeks, xylol remained short of balance but with less pressure on suppliers. The cutback in industrial finishing operations was offered as the reason that this item is not even more tight than it is now. There is little change expected during the first quarter of next year.

Intermediates

There was a general let-up in demand virtually all across the board at the year-end on intermediates. The slow demand was out of all proportion to the decline in actual industrial operations in the consuming industries. This was so because over the past year, under the threat of shortages or in the face of actual shortages, buyers in these consuming industries had purchased heavily and beyond their actual or immediately prospective needs, as a hedge against the possibility of not getting enough material later on.

Consequently there had been a serious build up of raw material and finished product inventories. Then, too, in certain consuming industries there had been a real and serious decline in business volume over recent months, particularly in the textile field which adversely affected dyestuffs and their intermediates.

Some major producers of intermediates stated that they had customers who were now trying to return material which had been bought and shipped as long as a year ago, and held in inventory ever since. A firm policy of not taking back any such material was adopted by most producers.

Meanwhile, chemical intermediate manufacturers were faced with the problem of sweating out the interim period until these heavy inventories would be used and normal buying could be resumed. This was not just a matter of sitting back and waiting comfortably in the office, because these manufacturers want to keep their plants operating on a full-time basis, if possible. They do not want to shut down, even temporarily. Accordingly, to keep enough stuff moving to keep plants in operation and personnel employed represented a sales problem which was more serious than it might first appear to be, it was said.

However, for the forthcoming year, most producers looked forward to a slow first quarter, at the end of which the deletion of inventories combined with stepped up defense operations were expected to set a buying pace well above that which the fourth quarter of this year represented. It being an election year, the feeling was expressed that 1952 would see sufficient pump priming to keep up a good business volume, although most of industry felt that the nation's economy would be healthier without it.

Benzaldehyde — A well sustained demand for this aldehyde for aromatic chemicals has been noted in recent months. The supply status was said to be unchanged, supply being about in balance with demand.

Benzoic Acid—There has been a good sustained demand for this intermediate with the supply in a relatively good position. There is a potential demand developing for the use of technical grade material as an accelerator in the rubber industry. This demand will materialize especially if a lower price can be effected, it was said. The lower price would then make the use of benzoic acid practical in this end-use, it was felt.

There is also a potential large volume demand for the use of technical grade benzoic acid or sodium benzoate as a fixative for dyes on synthetic fibers.

Monochlorobenzene—The scarcity of monochlorobenzene was largely due to the tightness of chlorine, rather than the shortage of benzol. The feeling of producers is that this material will probably grow tighter during the next quarter.

It was said that insecticide manufacture will pick up during the first quarter of next year and thus increase the demand for this intermediate. The number of end uses to which monochlorobenzene can be put has sustained the demand at a high volume.

Phthalic Anhydride—While it could not be said that supplies were as yet in balance with demand, the pressure on the producers for shipment of material had let up to a point where they were inclined to feel that most consumers were in a relatively comfortable inventory position. All along the line the inquiry for intermediate materials was definitely off and in many items positively slow. This fact applied even to pyridine which in recent weeks had shown a tendency to ease. Consequently, phthalic producers were not expecting phthalic anhydride demand to continue long in excess of production capacity or naphthalene supply.

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Pittsburgh Consolidation Coal Lets Contract to Blaw-Knox

A contract for the construction of a large pilot plant has been awarded to the chemical plants division of Blaw-Knox Company, Pittsburgh, Pa., by the research and development division of Pittsburgh Consolidation Coal Company. The pilot plant will be built at the coal company's research center at Library, Pa., and will be used, the company states, for the partial conversion of coal, employing its newly-developed low temperature carbonization process.

Operation of the pilot plant will provide answers to two major questions:—Cost and design data for a commercial plants, and the production of sufficient quantities of liquids to permit commercial evaluation of the many chemicals and special carbons obtained by the process. The contract to Blaw-Knox calls for an immediate start on plant engineering, with construction to begin early in the spring and completion expected during the third quarter of 1952.

Synthetic Rubber Curbs To Go Off January 1

Restrictions on the consumption of government produced general purpose synthetic (GR-S) rubber and on the consumption of total amounts of new rubber will be removed January 1, it has been announced by the National Production Authority.

In an amendment to be made to order M-2 the NPA will provide for the eventual private importation of natural rubber latex; continue the allocation of butyl synthetic rubber, and make other changes in the rubber control program.

ECA Strategic Minerals Division Moved to DMPA

Transfer of functions and personnel of the strategic materials division of the Economic Cooperation Administration to the newly-created Defense Materials Procurement Agency has been announced. The division, now known as the foreign expansion division of DMPA, will continue to be headed by Charles E. Stott, who will direct the agency's operations in Mexico, Central America, South America and all of the free countries of the world except Canada.

Ritchie & Janvier Named Eaton Nat'l Sales Agent

Ritchie & Janvier, Inc., Bloomfield, N. J., has been appointed national distributor in the drug field for all "Rough and Ready" warfarin rodenticides manufactured by the J. T. Eaton & Co., Cleveland. Heretofore, Ritchie & Janvier have been distributing "Rough and Ready" products only in the eastern states, but effective January 1 it will be assigned the entire country.

Blaw-Knox Names Hauck

Charles F. Hauck has been appointed manager of sales promotion of the chemical plants division of Blaw-Knox Company, Pittsburgh, Pa. Mr. Hauck has had fifteen years' experience in chemical engineering and water processing. Among Mr. Hauck's duties will be the development of new markets and the direction of advertising and technical information.

NPA Names Kelly, Harris To Rubber Division Posts

The National Production Authority has announced the appointments of E. D. Kelly as director of its rubber division and E. A. Harris as deputy director. Mr. Kelly, formerly deputy director of the rubber division, succeeds Leland E. Spencer, vice-president of the Kelly Springfield Tire Company of Cumberland, Md., who has become chief of the synthetic rubber division of the Reconstruction Finance Corporation. Mr. Harris, who succeeds Mr. Kelly, was formerly special assistant to the director of the rubber division.

Trade Briefs

B. F. Goodrich Chemical Company's Louisville, Ky., plant has been presented with the award of honor for distinguished safety by the Louisville Safety Council.

Robert L. Sommerville, assistant general sales manager of the Electric Storage Battery Company, has been elected president of the Association of American Battery Manufacturers.

Cecil Schwartz, stress analyst for Barnes & Reinecke, Inc., Chicago, has been named as associate engineer in the heat-power research department at Armour Research Foundation.

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Dr. Quisenberry Gets Plant Industry Bureau Plans Post

Dr. Karl S. Quisenberry has been named assistant chief in charge of program planning and coordination for the Bureau of Plant Industry, Soils and Agricultural Engineering of the Department of Agriculture, succeeding to the position vacated recently by the elevation of Dr. A. H. Moseman to chief of the bureau. Since 1946, Dr. Quisenberry has been head of the division of cereal crops and diseases at Beltsville, Md., in charge of research on the production, improvement, and disease control of flax, grain sorghums, and the grain crops.

Walker in NPA Post

Wesley S. Walker, on leave from his post as product manager for nitrogen of the Linde Air Products Company, New York, has been named director of the general industrial equipment division, National Production Authority. The division has the basic responsibility for distributing allotments of steel, copper and aluminum under the Controlled Materials Plan to manufacturers of chemical products machinery and other types of general industrial equipment. Mr. Walker has been employed by the Linde Air Products, a division of the Union Carbide & Carbon Corporation for about twenty-five years.

Holiday Mementoes Received

With grateful appreciation to its friends, OPD hereby acknowledges the receipt of holiday greetings and expressions of goodwill from:—

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Sun Chemical Elects Hey Vice-President

Sun Chemical Corporation, Long Island City, N. Y., has elected H. F. Hey a vice-president of the corporation. Mr. Hey joined Sun in 1948 as industrial relations manager. The following year he became general manager of the company's electro-technical products division. Among other concerns he was associated with Rohm & Haas Company, Philadelphia, before joining Sun Chemical.

Trade Briefs

Timothy A. Lynch has been named director of the aluminum and magnesium division of National Production Authority.

Aluminum Company of America, Pittsburgh, Pa., has developed a new product, "Alcoa Utilitube," a general purpose aluminum coiled tube.

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Resulting from increased commodity costs, the price of 42 degree corn syrup was advanced 15c. per hundredweight. This was the second increase in the cost of this material in a month. Cocoa butter was down 1c. per pound, reflecting fluctuations in the bean market. Skimmed milk powder, roller process, was advanced ½ cent per pound, following a similar advance in spray process, the week before. Imported argols were upped $5 per 100 kilos (50 percent minimum).

Rising costs for imported argols were expected to be reflected in increased prices for tartaric acid and tartaric salts. However, there has been no price change for these items as yet, producers were reported as still working off stocks of materials which had been manufactured from previously purchased lower price argols.

Supplies of aloin continued in scarcity. Quotations were holding firm but some observers felt that it was only a matter of time until higher priced raw material would force the price of aloin upward. Trading in castor beans remains quiet, while castor oil continued scarce.

Imports of Japanese sodium alginate were on the increase, according to reports, but have not had much affect upon the market here. Demand for domestic algin was good with supplies adequate. Quotations for both imported tartaric acid and its salts were several cents below those for the domestic but demand was off considerably

Mercurial prices have continued firm despite the weak demand. The menthol market appeared to be getting worse with quotations for both the Brazilian and Chinese material well below the cost of replacement of new crop Japanese. Any hope for any significant improvement in this market was dim since it is known that most of the large consumers of menthol have stocks on hand equivalent to at least 12 months consumption at the present rate of utilization.

Stocks of glycerin were estimated to be at fair to good levels and the prolonged slump in the protective coating industry has eliminated, for the time being, a good deal of the consumption of glycerin in that industry. Prices were holding firm at the recently established ceilings for refined glycerin. Acetone was in good supply due to the extended slump in the textile industry which accounts for a sizable portion of the acetone consumed annually.

Acetone—Demand for this ketone was off considerably from prior levels earlier this year. Production in the textile industry, particularly in rayon, was at low levels. Most observers hope for a significant pickup in textiles after the new year and the present surplus of acetone was not expected to last too long. Accelerated production of munitions in the coming year was also expected to up demand.

The lacquer industry appeared to be gaining production momentum although it was still operating at a rate significantly lower than before. Whether production of lacquers will be stepped up appreciably in the near future was still a matter for conjecture but many observers feel that defense orders will swell the demand next year.

Production of acetone in September was over 6,000,000 pounds below that of August which totaled 49,062,925 pounds compared to the 42,568,306 pounds turned out during the month of September, 1951.

Aloin—While still holding at earlier price levels, supplies of this material were becoming scarcer. Demand was fair and some observers felt that it was only a matter of time before current stocks were exhausted necessitating replenishment of raw material at higher cost which in turn, would make a boost in the price of aloin a foregone conclusion.

Argols—While there has been some material bought as high as $45 per 100 kilos, a more realistic view of existing costs in this market was reported to be about $40 per 100 kilos. Despite the much improved supply position of citric acid, the demand for tartaric acid and its salts was reported at good levels. Increased costs of imported argols were expected to ultimately squeeze producers of the tartrates if prices are to continue at the present levels.

Castor Oil—Activity in this market was dull with very little trading reported. The last quotation heard for castor beans was in the neighborhood of $275 per long ton, f.o.b., Brazil. Castor oil continued scarce.

Imports of castor beans at New York and Philadelphia during the week ended December 20 totaled 5,284,950 pounds compared to the 4,740,600 pounds brought in during the corresponding week last year. Imports of castor oil totaled 277,200 pounds in comparison to the 860,000 pounds landed in the corresponding week in 1950.

Total imports of castor beans to date this year amounted to 147,488,650 pounds while those during the corresponding period last year totaled 241,710,450 pounds. Imports of castor oil to date totaled 55,751,529 pounds compared to the 37,621,913 pounds landed during the corresponding period in 1950.

Cocoa Butter—Reflecting additional fluctuations in the cocoa bean market, the price of cocoa butter was reduced 1c. per pound. Demand for the butter continued at low levels and was considerably below that of this time last year. Supplies were more than adequate for current consumer requirements.

Corn Syrup—Reflected rising commodity costs, the price of 42 degree corn syrup was advanced 15c. per hundredweight. The current price per hundredweight in drum carlots was $7.11 with less than carlot drums quoted at $7.26 per 100 pounds.

Cream of Tartar—Demand for the imported material was at poor levels despite quotations which were as much as 5c. per pound below the domestically produced material. Continued rising costs in imported argols were expected to ultimately force domestic producers of the salt to increase their quotations with the probable result that some current consumers of domestic cream of tartar would switch to the lower priced imported salt. Current quotations for the imported material ranged from 29¾ to 31¾c. per pound.

Glycerin—Demand for the refined grades of glycerin was said to be quiet. Military consumption has not affected supplies to any extent as yet. Consumption of glycerin in munitions was expected to expand next year but the continuing slack in the protective coatings industry has left supplies of refined glycerin more than adequate for existing demand. Prices were holding firm at the ceiling levels established a few weeks by the OPS. Some observers were of the opinion that prices might be reduced if demand does not pick up next month.

A report from India states that a quota of 450 long tons of crude glycerin had been established for export to hard currency countries during the period from July to December of this year.

Menthol—Dealers in this market have been having a hard time. With the three or four largest consumers of menthol estimated to have at least another year or better stock of menthol on hand, any outlook for improvement in this market in the near future was, of necessity, a pessimistic one. The price pattern has gone from bad to worse and from all appearances it will be some time until the trend shifts to an opposite direction, according to some observers. Latest quotations for the Brazilian material were as low as $8.75 per pound while those for the Chinese were $9.65 per pound. Either of these quotations could be shaded as much as 15 to 20 cents per pound if orders were sizable enough, it was said.

Mercurials—Demand for these materials was reportedly slow in the trend of the past few months. Despite the softening market in mercury, quotations for mercurial compounds have continued firm. This situation was attributed by some observers to the fact that producers of these compounds must maintain prices at existing levels in justification for the earlier higher prices paid for the metal. Some producers were optimistically looking for a turn up in demand after the

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Argols, $5 per 100 kilos.
Corn syrup, 15c. per hdwt.
Milk powder, skimmed, roller process, ½c. per lb.

Prices Reduced

Cocoa butter, 1c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
260.4	260.4	260.4	255.8	266.3

(For Current Prices see Page 9)

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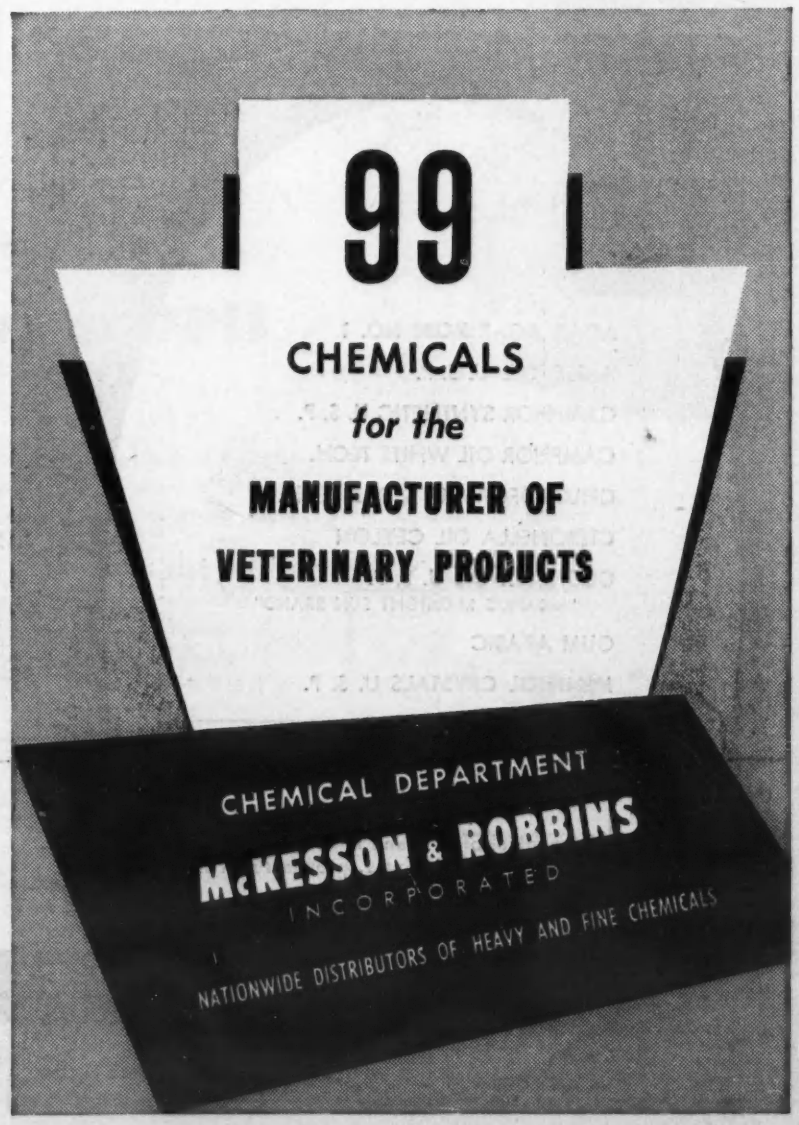

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new year but these predictions were based on conjecture at the moment.

Methionine—Demand for this amino acid was reported to be on the upgrade. Extensive experimentation has proven its value as a poultry feed supplement and the future appeared bright for its producers. It was reported that one of the largest chemical manufacturing organizations in the country was enthusiastically viewing its entrance into the production of methionine. The coming year was expected to see an increased demand for the amino acid as feed producers become more acquainted with its capabilities as a feed supplement in both poultry and allied fields of animal nutrition. Prices remained unchanged.

Methylethylketone—Demand for methylethylketone was reported to be at strong levels with the supply tending to be tight. Expectations for the near future were that MEK would get tighter. Prices held at prior levels.

Milk Powder—The market in nonfat dry milk solids was firm, with supplies light and closely held. The demand was fair to good. Prices on the spray process were unchanged, but quotations on the roller process were advanced ½c. per pound to 16¼c. to 17c. per pound, in carlots.

The market on whole milk was firm, with domestic supplies light. Some dealers were turning to imported milk powder in order to fill trade needs. Prices remained at prior levels, however.

Production of nonfat dry milk solids, estimated at 35,800,000 pounds, was the lowest for the month since 1947, according to the Bureau of Agricultural Economics. Included in the total output were 28,900,000 pounds of spray dried nonfat dry milk solids and 6,900,000 pounds of the roller process. Manufacturers' stocks on October 31, 83,600,000 pounds were the highest for October 31 in the 17 years of record.

Purchases of spray dried skimmed milk solids totaled 120,000 pounds, bringing the total to date this year to 72,805,364 pounds. During the same week some 760,225 pounds of spray powder were sold, which brought the total to date to 27,032,970 pounds, compared to the 11,340,400 pounds disposed of in the corresponding period last year.

Sodium Alginate—Demand for this material was at strong levels, with supplies reported as adequately meeting consumer requirements. Japanese production of sodium alginate last year was reported to have been about 300 tons, in comparison to the 83 tons turned out in 1949. This year's rate of production was said to be even higher. Export trade in sodium alginate has been almost wholly with the United States, there being some 12 manufacturers of the material in Japan. No

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price changes for domestic algin were reported.

Sulpha Drugs—Demand for these materials was reported to be running at high levels. With few exceptions, the sulphanilamides were all in heavy demand, and producers were reporting that they were several weeks behind in filling orders, on the whole. Government orders were not said to constitute a major factor in the heavy demand pressure which has persisted without letup for quite some time.

Production of sulpha drugs in September was up over 20 percent of the total produced in the preceding month, aggregating 493,441 pounds, compared to the 400,596 pounds turned out during August, according to the Tariff Commission.

Tartaric Acid—Demand for imported tartaric acid was reported to be dull, in line with the general slack in business. Furthermore, the free supply of citric acid has lessened the demand for tartaric in general, and what did exist has been largely taken up by domestic producers of tartaric. Many consumers prefer the domestically produced acid to the imported, since it is more suitable in their operations and generally conforms to higher standards of purity.

The price asked for the imported acid has continued to decline and was below that for the domestic. Current quotations for this material ranged from 36c. to 38c. per pound, duty paid. If the current trend in the rising costs for imported argols continues, some observers predict that domestic producers will be forced to raise their prices and thus put the imported, which was already at a lower price, into increased demand.

Jeffreys to Market New Baking Enzyme

George A. Jeffreys & Co., Salem, Va., has announced plans to market "Mozyme," a new baking enzyme. Described as a purified enzyme extract of Aspergillus oryzae concentrated under vacuum and dried on a starch and dextrose base into a homogenous creamy white powder, the product is offered as a supplement to bread doughs for improving bread and rolls. Decision to market the new enzyme, which has been under development by Jeffreys for several years, comes following the recent adoption by the Food and Drug Administration of new bread standards which provide that fungal preparations of Aspergillus oryzae may not be used in bread doughs.

Quaker Oats Elects Three

Two new vice-presidents and a new director have been named by the Quaker Oats Company, Chicago. The new vice-presidents are Dr. Homer R. Duffey, former general manager of the chemicals department, and William G. Mason, former manager of the cereal sales department. Both new vice-presidents continue with their previous duties.

The new company director is Robert D. Stuart, jr., manager of the company's Western Feed Division. He also continues with his former duties. As director, he succeeds Walter A. Templeton, former vice-presdent, retired, who has resigned.

Greece Seeking Molasses

Greece is seeking 4,500 metric tons of molasses from Latin America, Egypt, or European Payment Union countries. Bids must be submitted in US dollars, or currency of the country of origin, by noon (Athens time) January 3, 1952, to the Central Cooperative Union of Olive Oil Producers, 13 Amerikis street, Athens, Greece. The molasses must be packed in iron drums, with an approximate capacity of 200 liters each. Shipment of the goods is required by April 10, 1952. Bids for less than 1,000 metric tons will not be considered.

Michel Issues Fatty Alcohols Data

M. Michel & Co., Inc., 90 Broad street, New York 4, has issued a new buying and specifying guide describing its line of "Cachalot" fatty alcohols. The publication shows analyses and some typical uses for cetyl, oleyl, and stearyl alcohols in the chemical processing industry. Copies are available to chemists, production manager and purchasing agents in this field on request to Michel.

Hercules Issues CMC Data

Many applications for Hercules CMC, and its physical and chemical properties, are described in a new technical booklet published by Hercules Powder Company, Wilmington, Del. Information on types available, viscosity, compatibility, and other pertinent data is contained in the booklet. A bibliography lists most of the published literature appearing in recent years on this chemical.

Bristol-Myers Realigns Products Division Ad Staff

Bristol-Myers products division has announced a realignment of its advertising department, which embodies new assignments for product advertising. Walter P. Lantz, formerly coordinator of the advertising department, has been named executive assistant to Robert B. Brown, president of the division.

Richard K. Van Nostrand joins the organization as an advertising manager and Lee H. Bristol becomes assistant advertising manager. They, along with R. C. Whitman and Wallace T. Drew, will handle advertising of various Bristol-Myers products.

Trade Briefs

Robert H. Zitzmann has been named director of industrial relations of Sterling Drug, Inc., New York.

Dr. W. Wilson McNeary, a trustee and recording secretary of the Philadelphia College of Pharmacy and Science, has given to the college, intact, his entire collection of pharmaceutical ancientware.

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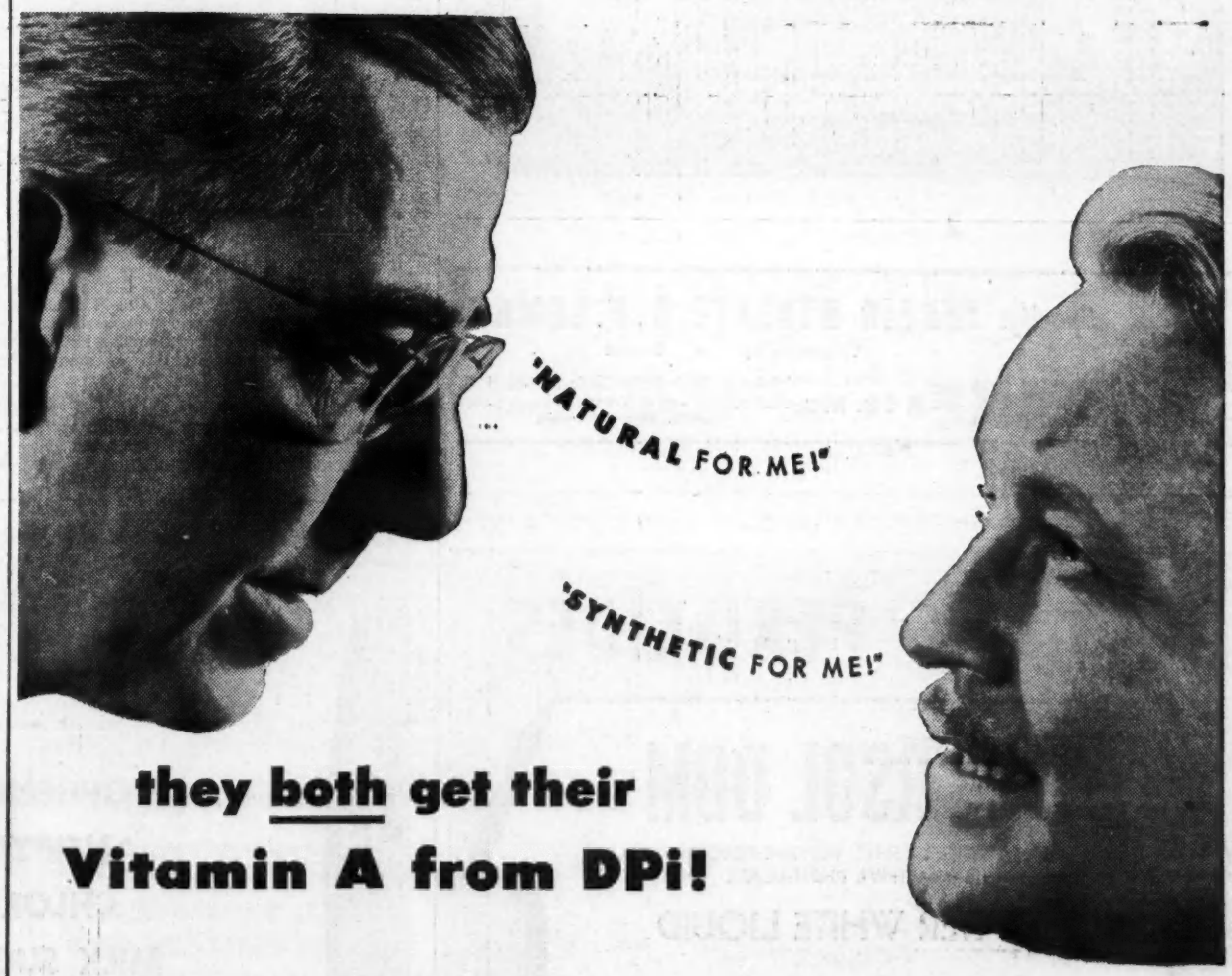

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Chemical Specialties Names McKesson & Robbins Agent

Chemical Specialties Company, New York, has announced the appointment of McKesson & Robbins, Inc., chemical division, as distributor for the Syntex line of steroid hormones. Syntex hormones may now be obtained through any of the McKesson chemical branches, located in key cities throughout the country.

Chemical Specialties is the sales affiliate of Syntex, S. A. of Mexico City, pioneer in the synthesis of hormones derived from the Mexican yam. A representative line of pure steroid hormones, all manufactured from this vegetable source, is offered. The line includes progesterone, estrone, testosterone, desoxycorticosterone and many others.

CSC Appoints R. Giovine Chemicals Division Ad Mgr.

Richard Giovine has joined the sales promotion division of Commercial Solvents Corporation, New York, as advertising manager for the industrial chemicals division, it has been announced by H. J. Henry, vice-president of product divisions. Mr. Giovine was formerly associate editor of *Popular Science Monthly*. Prior to that post he was in charge of publicity for the Washington State Highway Department and has worked on several New York City newspapers, including three years on the editorial staff of the New York *Herald Tribune*.

Dr. Scholz Joins Armour

Dr. Dale Scholz has joined the medical consultant service of Armour Laboratories as regional medical director of the New York area. Prior to joining Armour, he was engaged in the private practice of medicine and administrative and preventive medicine. He is a former medical director of the Lawrence-Wabash county health department in southern Illinois, and a member of the medical staff at the Cook County Health Department.

Scientific Glass Issues Lab Data

Scientific Glass Apparatus Company, Bloomfield, N. J. has announced the issuance of the fourteenth edition of its publication entitled, "What's New for the Laboratory." Among the new items illustrated and described are a self-pumping still, an electric pipette washer and dryer, automatic pipette and vial filling machine, angle head centrifuge, improved "Klix" speedy spigot, flexible manometer, precision balance, and Teflon-coated ground glass joints.

To obtain a free copy of "What's New for the Laboratory," write directly to Scientific Glass.

Trade Briefs

Harold K. Solmssen has been named financial analyst to the international division of Schering Corporation, Bloomfield, N. J.

Patrick H. Gorman, advertising manager of Philip Morris & Co., Ltd., Inc., has been named assistant to E. L. Mabry, president, Vick Chemical Company, effective January 1.

"Acthar," Armour laboratories brand of ACTH, has been approved by the Council on Pharmacy and Chemistry of the American Medical Association for intravenous administration.

Dr. Donald F. Chichester, former technical editor for Topics Publishing Company, New York, has joined the advertising department of Merck & Co., Rahway, N. J.

Dr. William R. Lloyd, of the University of Texas, is a contributor to the third edition of *American Pharmacy*, a textbook discussing important pharmaceutical processes and preparations.

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Daggett & Ramsdell P.A.

Donald A. Aitchison has been named purchasing agent for Daggett & Ramsdell, Inc., Newark, N. J. Mr. Aitchison, who has been with the company since 1946, has been in the purchasing department for the past three years. Prior to that, he was in the advertising and sales promotion department.

New York Trade Board Elects 2 New Directors

The New York Board of Trade has elected George S. McMillan, vice-president of Bristol-Myers Company, and J. P. Remensnyder, president of Heyden Chemical Corporation, as new members of its board of directors. Reelected to the board were the following:—Stanley I. Clark, Sterling Drug, Inc.; John A. Ewald, Avon Products, Inc.; Charles M. Macauley, Pro-phy-lac-tic Brush Company; Fred G. Singer, E. I. duPont de Nemours & Co., and Robert B. Magnus, vice-president of Magnus, Mabee & Reynard. Fred J. Stock, vice-president of Chas. Pfizer & Co., and Mr. Magnus, as reported earlier (OPD, 12/17/51), were elected vice-president and treasurer, respectively.

Arapahoe Producing Two New Reagents

Arapahoe Chemicals, Inc., Boulder, Col., is now producing two new reagents, "Monobromantin" (3-bromo-5, 5-dimethylhydantoin) and "Dibromantin" (1,3-dibromo-5, 5-dimethylhydantoin). In most of their reactions both of these compounds are reported to act very much like "NBS" (N-bromo-succinimide). Apart from the greater solubility of "Monobromantin" and the higher content of active bromine in "Dibromantin" the two reagents are said to differ little from each other in their general reactivity.

Medical Directors Ass'n Elects Thompson Pres.

Dr. D. K. Kitchen, vice-president and chief medical counsel of Bristol-Myers Company and retiring president of the American Association of Medical Directors, has announced that the new president of the association for the coming year will be Dr. Kenneth W. Thompson of Organon, Inc. Other officers elected were:—Vice-president, Dr. J. B. Rice of Winthrop Chemical Company, and secretary, Dr. H. C. Fleming of the Schering Corporation.

Sterling Institute Names 3

Three appointments to the staff of the Sterling-Winthrop Research Institute, Rensselaer, N. Y., have been announced by Dr. M. L. Tainter, director of the institute. Dr. Helmuth C. Neumann has been appointed research associate in the chemical development laboratory. Donald F. Page has become a research assistant in the chemical development laboratory. Miss G. Marie Agnew has been named research assistant in the research coordination department.

Trade Briefs

Raymond Lee, president of Lee Pharmacal Company, has been appointed a director of Zonite Corporation.

Drug Trading Company, Ltd., Toronto, Ont., recently presented awards for ten, fifteen, twenty and twenty-five years' service to employees of the company.

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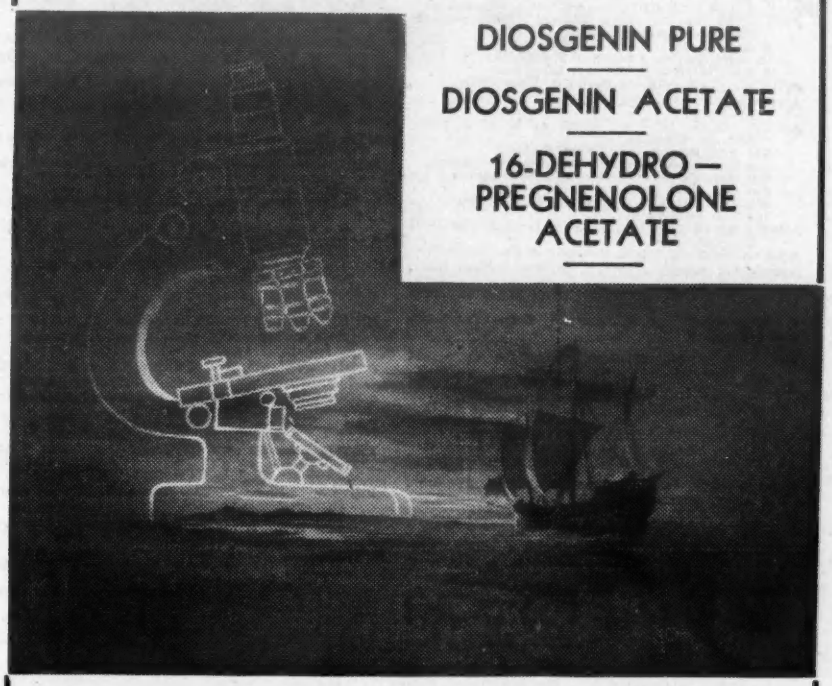

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4 dms, Gondrand Bros, Rotterdam
22 dms, Sandoz Chemical Works, Havre
7 dms, Heemsoth Kerner, Liverpool
ANIMAL WAX—470 cs, Rohm & Hass, Oslo
ANTIMONY— 10 cks, Watson & Geach Co, Liverpool
ARABIC GUM—102 bgs, Bank of N Y & Fifth Ave, Port Sudan
500 bgs, Brown Bros, Port Sudan
150 bgs, Bank of Manhattan Co, Port Sudan
600 bgs, Guaranty Trust Co, Port Sudan
250 bgs, J H Schroder, Port Sudan
256 bgs, National City Bank, Port Sudan
254 bgs, Port Sudan
ARECA NUTS—134 bgs, Prentiss Drug & Chemical Co, Colombo
ARROWROOT—277 bgs, Geismar & Co, Itajai
ASBESTOS FIBER—130 bgs, Pellew Wilson Sons, Durban
500 bgs, Commercial National Bank & Trust Co, Lourenco Marques
1,760 bgs, Johns Manville Corp, Lourenco Marques
6,320 bgs, Beira
BAUXITE ORE—3,415 tons, American Cyanamid Co, Everton
BEESWAX—33 bgs, Curacao Trading Co, Ciudad Trujillo
12 bgs, Porcella Vidini & Co, Puerto Plata
66 bgs, Guaranty Trust Co, Alexandria
50 bgs, H J Schroder, Casablanca
22 bgs, Lenape Trading Co, Gonaives
357 pkgs, Port Sudan
79 bgs, Tampico
BERGAMOT OIL—4 hf cs, Tombarel Products Corp, Messina
BILE, OX—2 cases, Dryer Co, Rotterdam
BONE—284 bgs, Tupman Thurlow, Brisbane
MEAL—600 bgs, Liverpool
BRUCINE—¼ cs, Lo Curto & Funk, Glasgow
BUCHU LEAVES—5 bls, Prentiss Drug & Chemical Co, Capetown
10 bls, Peek & Velsor, Capetown
BUTTONLAC—1,000 bgs, Manrose Corp, Calcutta
CARAWAY SEED—100 bgs, Levy & Levis Co, Rotterdam
100 bgs, K L Friedler, Rotterdam
200 bgs, Rotterdam
CARDAMOM—22 cs, B H Old & Co, Colombo
CARNAUBA WAX—111 bgs, Nederlandsche Handel, Fortaleza
333 bgs, J H Schroder, Fortaleza
158 bgs, Wessel Duval & Co, Fortaleza
157 bgs, A V Berner Co, Fortaleza
222 bgs, Frank B Ross Co, Fortaleza
156 bgs, Stein Hall & Co, Fortaleza
1,253 bgs, W R Grace & Co, Parnahiba
32 bgs, Wm Diehl & Co, Parnahiba
Parnahiba
32 bgs, Siromeyer & Arpe Co, Parnahiba
226 bgs, Fortaleza
511 bgs, Parnahiba
CASEIN—50 bgs, American British Chemical Supplies, Rotterdam
CASHEWNUT SHELL LIQUID—405 tons, Irvington Varnish & Insulator Co, Cochin
CASSIA—50 bls, Landes & Balint, Hong Kong
CASTOR BEANS—10,900 bgs, Spencer Kellogg, Salvador-Bahia
14,391 bgs, Baker Castor Oil Co, Salvador-Bahia
8,241 bgs, Baker Castor Oil Co, Fortaleza
1,693 bgs, Spencer Kellogg, Natal
OIL—1 dm, W R Grace & Co, Buenos Aires
115 tons, Spencer Kellogg, Recife
CELERY SEED—170 bgs, Landes & Balint, Bombay
71 bgs, H Marmorek & Son, Marseille
CERIUM CHLORIDE—370 dms, Metallo Chemical Corp, Santos
CHESTNUT EXTRACT—1,000 bgs, Barkey Importing Co, Genoa
CINNAMON LEAF OIL—3 dms, Magnus Mabee & Reynard, Colombo
5 dms, Givandan-Delawanna, Colombo
QUILLS—100 bls, Fritzsche Bros, Colombo
50 bls, C P Wilson, Colombo
CITRONELLA OIL—1 dm, Magnus Mabee & Reynard, Colombo
COCONUT OIL—912 tons, Zimmerman Alderson Carr Co, Cebu
COPAL GUM—26 bgs, O G Innes, Manila
120 bgs, Wm H Schnell, Manila
35 bgs, O G Innes Corp, Singapore
CORIANDER SEED—250 bgs, S B Penick & Co, Hamburg
177 cases, H A Gogarty, Liverpool
200 dms, Glasgow
DAMMAR GUM—105 bgs, Gillespie-Rogers-Pyatt, Singapore
280 bgs, O G Innes Corp, Singapore
352 bgs, S Winterbourne & Co, Singapore
DEXTRIN—26 bgs, Bank of Manhattan Co, Rotterdam
160 bgs, Stein, Hall & Co, Rotterdam
DIGITALIS SEED—20 bgs, National Biochemical Corp, Rotterdam
DIPHENYLHYDRAMINE—2 cs, Ovimpex Inc., Rotterdam
DOGWOOD BARK—76 bgs, S B Penick & Co, Kingston
DROSERA—12 pkgs, S B Penick & Co, Antwerp
ELEMI GUM—53 bgs, O G Innes, Manila
EPSOM SALT—750 bgs, Manufacturers Trust Co, Hamburg
FISHLIVER OIL—3 dms, Interocean Chemical & Minerals Corp, Yokohama
400 dms, Scandinavian Oil Co, Yokohama
FISHMEAL—14,655 bgs, Boyd Weir & Sewell, Hamburg
FUEL OIL—105,529 bbls, Hess Inc, Curacao
81,048 bbls, New England Petroleum Corp, Aruba
99,469 bbls, Paragon Oil Co, Curacao
297,000 bbls, Esso Standard Oil Co, Aruba
162,000 bbls, Esso Export Corp, Aruba
10,000 bbls, Arabic Petroleum Corp, Curacao
82,123 bbls, Hess Inc, Punta Cardon
GALL, OX—3 cs, G D Searle & Co, Beira
20 dms, J M Rodgers, Dublin
GELATIN—25 bls, Allitransport Inc, Antwerp
GENTIAN ROOT—39 bls, Meer Corp, Marseille
GLUE—200 bgs, Transatlantic Animal By Products Corp, Rotterdam
BONE—200 bgs, Bank of Manhattan Co, Antwerp
250 bgs, Transatlantic Animal By Products Corp, Durban
STOCK—130 bgs, Gillespie & Co, Maracaibo
GLYCERIN—2 dms, Gallard Schlesinger, Rotterdam
GRAPHITE—250 bgs, Asbury Graphite Mills, Tamatave
2,680 bgs, C Pettinos, Tamatave
1,200 bgs, Joseph Dixon Crucible Co, Tamatave
HEXAMETHYLENTETRAMINE—60 cks, Lo Curto & Funk, Rotterdam
IPECAC ROOT—20 bgs, S B Penick & Co, Cristobal
9 bgs, Wessel Duval & Co, Cristobal
IRON OXIDE—650 bgs, Reichard Coulston, Bremen
1,100 bgs, Reichard Coulston, Rotterdam
300 bgs, Lenders Segal Color Co, Liverpool
KARAYA GUM—434 bgs, Innis Speiden, Bombay
369 bgs, Wm A Allison, Bombay
LAC—168 bgs, Joensson & Cross, Antwerp
LOCUSTBEAN GUM—200 bgs, T M Duche & Sons, Genoa
100 bgs, Innis Speiden, Genoa
50 bgs, Morningstar Nicol, Limassol
200 bgs, Morningstar Nicol, Genoa
LOCUST BEANS—50 bgs, Manufacturers Trust Co, Larnaca
150 bgs, Larnaca
MAGNESIUM CARBONATE—300 bgs, Reheis Co, Liverpool
50 cs, Genoa
MISPERO GUM—19 bgs, L A Dreyfus Co, Cristobal
MONTAN WAX—50 bgs, Strohmeyer & Arpe, Hamburg
MUSTARD SEED—700 bgs, Internatio Rotterdam, Amsterdam
130 bgs, East India Trading Co, Rotterdam
1,700 bgs, Rotterdam
MYROBALANS—1,333 bgs, Olson Sales Agency, Bombay
NAPHTHALENE—500 bgs, Gallard Schlesinger, Antwerp
600 bgs, Gesamer Corp, Antwerp
1,290 bgs, Standard International Corp, Yokohama
600 bgs, Standard International Corp, Kobe
500 cs, Republic Chemical Corp, Hamburg
533 bgs, Irving Trust Co, Hamburg
143 bgs, Gallard Schlesinger, Bordeaux
305 bgs, Antwerp
NAPHTHENIC ACID—2,000 bbls, Stanco Inc, Aruba
NICKEL FORMATE—19 kgs, Elbert & Co, Bremen
OCOTEA CYMBARUM OIL—8 dms, Geismar & Co, Itajai
OPIUM—236 chts, N Y Quinine & Chemical Works, Calcutta
OPOPONAX GUM—67 bgs, Van Amerigen Haebler, Aden
PAPAIN—50 cs, C L Huisking & Co, Dares Salaam
7 cs, C L Huisking & Co, Colombo
PEATMOSS—400 bls, Premier Peatmoss Corp, Bremen
2,700 bls, N J Farm Supply Co, Bremen
PEPPER, BLACK—73 bgs, Sembodja Corp, Singapore
73 bgs, Volkart Bros, Singapore
146 bgs, U S & Indonesia Trading Co, Singapore
145 bgs, Internatio Rotterdam, Singapore
44 bgs, International Fertilizer & Chemical Corp, Singapore
29 bgs, Borneo Sumatra Trading Co, Singapore
73 bgs, Mincing Trading Corp, Singapore
200 bgs, Otto Gerdau, Cochin
80 bgs, Mincing Trading Corp, Cochin
80 bgs, Otto Gerdau, Bombay
89 bgs, A G Dunn, Bombay
88 bgs, Volkart Bros, Leghorn
150 bgs, North American Continental Co, Antwerp
153 bgs, Joensson & Cross, Antwerp
75 bgs, Superintendence Co, Marseille
102 bgs, Far Eastern Commodities Corp, Singapore
PERU BALSAM—1 dm, Wessel Duval & Co, Cristobal
OIL—3 dms, C E Griffin Co, Cristobal
PETROLEUM, CRUDE—288,470 bbls, Esso Standard Oil Co, Cartagena
100,873 bbls, Esso Standard Oil Co, Caripito
120,452 bbls, Socony Vacuum Oil Co, Puerto La Cruz
101,271 bbls, Esso Standard Oil Co, Las Piedras
123,000 bbls, Esso Standard Oil Co, Puerto La Cruz
PIMENTO BERRIES—100 bgs, Otto Gerdau, Kingston
100 bgs, John Holt & Co, Kingston
100 bgs, C T Wilson Co, Kingston
LEAF OIL—6 dms, Dodge & Olcott, Kingston
1 dm, H A Gogarty, Kingston
POLLACKLIVER OIL—50 dms, Interocean Chemical & Minerals Corp, Yokohama
50 dms, Wilbur Ellis Co, Yokohama
POLYVINYL ACETATE RESIN—1 bbl, Hudson Shipping Co, Hamburg
POPPY SEED—150 bgs, R J Spitz, Rotterdam
100 bgs, C M Van Sillevoldt, Rotterdam
100 bgs, M J Golombeck, Rotterdam
200 bgs, Louis Furth, Rotterdam
100 bgs, Wagner Bros, Feed Co, Buenos Aires
200 bgs, Wm Bernstein Co, Buenos Aires
600 bgs, Levy & Levis Co, Rotterdam
100 bgs, R L Friedler, Rotterdam
150 bgs, Rotterdam
POTASSIUM CYANIDE—83 dms, Aceto Chemical Co, Genoa
PSYLLIUM SEED—150 bgs, S B Penick & Co, Bombay
10 bgs, Peek & Velsor, Marseille
PUMICE—350 bgs, Whittaker Clark & Daniels, Canneto
420 bgs, C B Chrystal, Canneto
QUEBRACHO EXTRACT—16,485 bgs, River Plate Import-Export Corp, Buenos Aires
QUICKSILVER—200 flks, Lo Curto & Funk, Tampico
RUTILE CONCENTRATE—4,000 bgs, J W Hampton Jr, Brisbane
SANDAL—1 bg, D C Andrews, Sydney
SAFROL—10 dms, Magnus, Mabee & Reynard, Yokohama
SAGE LEAVES—150 bls, S B Penick & Co, Naples
SCHEELITE ORE—600 bgs, South American Minerals & Mdse Corp, Cabedelo
500 bgs, C Tennant Sons & Co, Cabedelo
SEEDLAC—200 bgs, Dings & Schuster, Calcutta
250 bgs, Suhr & Bundleman, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
250 bgs, Mac-Lac Co, Calcutta
300 bgs, Calcutta
SENNA LEAVES—39 bls, Brown Bros, Port Sudan
SESAME SEED—89 bgs, Louis Furth, Cristobal
547 bgs, Independent Halvah & Candies, Cristobal
769 bgs, Wm G Scarlett & Co, Cristobal
174 bgs, Archibald & Kendall, Cristobal
200 bgs, Levy & Levis Co, Cristobal
SHELLAC—100 bgs, A Kramer & Co, Calcutta
114 bgs, Wm Zinsser & Co, Calcutta
1,600 bgs, Manrose Corp, Calcutta
300 bgs, Colony Import & Export Corp, Calcutta
200 bgs, World Commerce Corp, Calcutta
300 bgs, C H Timm, Calcutta
400 bgs, Ralli Bros, Calcutta
SODIUM ARSENATE—89 dms, Harry Dixon & Sons, Glasgow
CYANIDE—250 dms, Chase National Bank, Hamburg
SUMAC—10 bgs, American Pistaschio Corp, Lattakia
420 bgs, Manufacturers Trust Co, Palermo
TALC—154 bgs, Charles Mathieu, Genoa
TANKAGE—420 bgs, Tupman Thurlow, Buenos Aires
TANNIC ACID—30 kgs, American Dyewood Co, Glasgow
TAPIOCA FLOUR—833 bgs, Chemical Bank & Trust Co, Itajai
716 bgs, Itajai
THYME LEAVES—78 bgs, M S Golombeck, Marseilles
TRAGACANTH GUM—20 cs, V Simidian, Beirut
TRIMETHYLXANTHIN—139 cks, Sterone Corp, Antwerp
UMBER—61 bgs, T H Duetz Co, Larnaca
UREA—FORMALDEHYDE RESIN—5 dms, Cliffside Dyeing Corp, Genoa
VANILLA BEANS—37 cs, Zink & Trieste, Marseilles
46 cs, George Uhe Co, Marseilles
25 cs, Thurston & Braidich, Marseilles
22 cs, Zink & Trieste, Tamatave
79 cs, Gillespie & Co, Tamatave
21 cs, Lo Curto & Funk, Marseilles
VANILLA BEANS—31 cs, L A Champon, Bordeaux
133 cs, Chase National Bank, Antalaha
469 cs, Antalaha
VERMICULITE ORE—299 tons, Vermiculite Corp, Lourenco Marques
WATTLE BARK—2,914 bgs, Kitching & Kitching, Durban
EXTRACT—1,573 bgs, Barkey Importing Co, Mombasa
498 bgs, First National Boston, Durban
2,018 bgs, River Plate Import & Export Corp, Durban
WHITING—400 bgs, Pluess Staufer, Antwerp
WOLFRAM ORE—240 bgs, Derby & Co, Bilbao
WOOL GREASE—54 dms, N I Malmstrom, Bremen
22 bbls, N I Malmstrom, Bremen
YACCA GUM—676 bgs, Judson Sheldon Division, Hobart

Baltimore

FISHMEAL—10,590 bgs, Wilbur Ellis Co, Walvis Bay
600 bgs, Rotterdam
IRON OXIDE—2,000 bgs, American Chemical & Pigments Corp, Rotterdam
MANGANESE ORE—2,000 tons Associated Metals & Minerals Corp, Bombay
533 tons, C G Trading Corp, Calcutta
1,197 tons, Ore Trading Corp, Durban
MUSTARD SEED—300 bgs, Rotterdam
OSSEIN—833 bgs, American Agricultural Chemical Co, Antwerp
PEATMOSS—535 bls, Premier Peatmoss Corp, Bremen
1,140 bls, Halfmoon Mfg & Trading Co, Rotterdam
800 bls, Atkins & Durbrow, Bremen
QUEBRACHO EXTRACT—5,102 bgs, H J Schluter, Buenos Aires
SIENNA—329 bgs, Mineral Pigments Corp, Larnaca
UMBER—408 bgs, Mineral Pigments Corp, Larnaca
WATTLE EXTRACT—498 bgs, Olson Sales Agency, Durban
530 bgs, Barkey Importing Co, Mombasa

Boston

ANILIN DYES—2 dms, Organic Chemical Corp, Rotterdam
BONE—720 bgs, Eastman Gelatine Corp, Rio de Janeiro
BONEMEAL—1,287 bgs, Elbert & Co, Buenos Aires
BUTTONLAC—100 bgs, F H Paul & Stein Bros, Calcutta
CASEIN—1,000 bgs, Paul A Dunkel & Co, Rotterdam
GLUESTOCK—131 bgs, Recife
50 bls, First National Boston, Fortaleza
IRISH MOSS—147 bls, T M Duche & Sons, Dublin
MONTAN WAX—200 bgs, Innis Speiden, Rotterdam
MUSTARD SEED— 150 bgs, Stickney & Poor Spice Co, Rotterdam
NICKEL SULPHATE—25 cks, Industrial Sales Corp, Antwerp
OSSEIN—1,734 bgs, Atlantic Gelatine Co, Antwerp
PEATMOSS—500 bls, Premier Peatmoss Corp, Bremen
QUEBRACHO EXTRACT—4,200 bgs, Tanimex Corp, Buenos Aires
3,769 bgs, River Plate Import, Export Corp, Buenos Aires
SHELLAC—25 bgs, Ralli Bros, Calcutta
50 bgs, F H Paul & Stein Bros, Calcutta
TALC—143 bgs, Charles Mathieu, Genoa
TAPIOCA FLOUR—417 bgs, First National Boston, Itajai
3,442 bgs, Geismar & Co, Itajai
UREA—1,000 bgs, Chemical Mfg Co, Glasgow
WATTLE EXTRACT—203 bgs, River Plate Import & Export Corp, Durban

Los Angeles

AGAR, STRIP—10 bls, Industrial Export Corp, Nagoya
CINNAMON QUILLS—40 bls, Holland Colombo Trading Society Inc, Colombo
COPRA, BULK—1,735,688 lbs, Procter & Gamble Co, Zamboanga
1,100 long tons, Vegetable Oil Products Co Inc, Siain
500 long tons, Pacific Vegetable Oil Corp, Ojae Pananiban
CAKE—6,720 bgs, Wilbur Ellis Co, Manila
2,240 bgs, Atkins Kroll & Co, Zamboanga
PEPPER—74 bgs, Hismoco American Co, La Union
SESAME SEED—200 bgs, Lastreto-Phillips Commercial Co, Corinto

Norfolk

ACETIC ACID—1 ck, Hercules Powder Co, Rotterdam
BONEMEAL—2,205 bgs, Wessel Duval & Co, Rotterdam
2,240 bgs, Wessel Duval Co, Antwerp
LOCUST BEANS—3,200 bgs, M F Neal & Co, Limassol
PEATMOSS—800 bls, Premier Peatmoss Corp, Bremen
500 bls, Halfmoon Mfg & Trading Co, Rotterdam
800 bls, Bruco Peatmoss Corp, Bremen
QUEBRACHO EXTRACT—6,297 bgs, River Plate Import & Export Corp, Buenos Aires
UREA—2,000 bgs, Chemical Mfg Co, Glasgow
WATTLE EXTRACT—498 bgs, Olson Sales Agency, Durban
530 bgs, Barkey Importing Co, Mombasa
506 bgs, River Plate Import & Export Corp, Durban

Philadelphia

ANTIMONY ORE—405 bgs, C Tennant Sons & Co, Mollendo
ARSENIC—107 bbls, Philadelphia National Bank, Stockholm
BONE—4,480 bgs, C Page Co, Avonmouth
2,700 bgs, Credit Suisse, Tripoli
CASTOR OIL—117 dms, Rohm & Hass, Bombay
CLAY—540 bgs, Salomon Bros, Bremen
FISHMEAL—7,353 bgs, Corn Exchange Bank, Massawa
FULLER'S EARTH — 1,400 bgs, Salomon Bros, Avonmouth
GLUE—2,204 bgs, Corn Exchange Bank, Antwerp
GYPSUM—12,194 tons, U S Gypsum Co, Hantsport
LEATHERMEAL—500 bgs, National City Bank, Rotterdam
LICORICE ROOT—1,012 tons, Guaranty Trust Co, Rotterdam
MANGANESE ORE—500 tons, Bank of London & South Africa, Coquimbo
9,500 tons, Lavino Shipping Co, Vizagapatam
MUSTARD SEED—50 bgs, Whiteman Food Co, Rotterdam
NAPHTHALENE—600 bgs, Gallard Schlesinger, Antwerp
OAKUM—320 bls, Williams Co, Rotterdam
OSSEIN—755 bgs, Kind & Knox, Antwerp
PALM OIL—303 dms, Tangiers
1,010 tons, Belawan
PEATMOSS—1,000 bls, Bank of Manhattan Co, Bremen
PETROLEUM, CRUDE—330,000 bbls, Atlantic Refining Co, Puerto La Cruz
116,078 bbls, Socony Vacuum Oil Co, Covenas
124,078 bbls, Socony Vacuum Oil Co, Pamatacual
122,219 bbls, Socony Vacuum Oil Co, Puerto La Cruz

San Francisco

COPRA CAKE—300 tons, Zamboanga
179 tons, Atkins Kroll & Co, Cebu
179 tons, Pacific Vegetable Oil Corp, Cebu
GINGER ROOT—37 crts, American Trust Co, Papeete
86 crts, Papeete
LEAD CONCENTRATES — 68 tons, American Smelting & Refining Co, Corinto
PEPPER, WHITE—70 bgs, Singapore
POLLACKLIVER OIL—19 dms, Nopco Chemical Co, Yokohama
VANILLA BEANS—8 cs, Sing Tung Hing, Papeete
10 cs, Papeete
WHITING—6,000 bgs, Wesco Waterpaints Inc, Glasgow

Obituaries

Thomas I. Carter

Thomas I. Carter, retired vice-president and a director of the Cities Service Company, New York, died December 18 at his home in White Plains, N. Y. He was seventy-nine years of age.

Before his retirement in 1950, Mr. Carter had been an executive or director of twenty companies, most of them in such public utilities as gas, oil and electricity. He had been with Cities Service and its predecessor companies since 1907.

James A. Rafferty

James A. Rafferty, vice-president and a director of the Union Carbide & Carbon Corporation, New York, died December 19 in Fort Lauderdale, Fla. He was sixty-five years of age.

Mr. Rafferty joined Linde Air Products Company in 1917 and quickly became works manager. Three years later he was named general manager of Union Carbide's newly-formed Carbide & Carbon Chemicals Corporation. He was elected a vice-president of Carbide & Carbon in 1924. The following year he was elected a vice-president of Linde, and, in 1929, he became president of Carbide & Carbon. Ten years later he was made president of Bakelite Corporation. He became chairman of the board of both Carbide & Carbon and Bakelite in 1944.

Mr. Rafferty was named vice-president of Union Carbide in 1938. In 1941 he was made a director and three years later became a member of the executive committee.

A pioneer in the development of the synthetic organic chemical industry, Mr. Rafferty was executive official in charge of the operations of Union Carbide for the government's wartime synthetic rubber and atomic energy programs. Early in the development of the Manhattan Project, he took a leading part in arranging for collaboration of his corporation on the engineering, construction and operation of the plant at Oak Ridge, Tenn., for producing radioactive materials for atomic energy.

He directed the corporation's part in atomic energy work, including the operation of this plant as well as the additional production plant and the Oak Ridge National Laboratory, which since have been assigned to Union Carbide operation.

He was winner of the 1948 Chemical Industry Medal awarded by the American section of the Society of Chemical Industry for his contributions to the development of the aliphatic chemicals business.

Dr. Giovanni Pauletta, Italian biologist, died December 18 in Milan, Italy, after injecting into his vein a drug with which he was experimenting. He was thirty-six. Officials at the Carlo Erba Pharmaceutical Research Institute stated that Dr. Pauletta had previously tested the drug on animals and decided to try it on himself.

Gilman W. Poore, a sales engineer in the marketing department of the Cities Service Oil Company, New York, died December 17 at his home in Queens, N. Y. He was sixty-three years old. Mr. Poore had been with Cities Service Oil for eighteen years.

Matthew Porter, of the Bayway refinery of Esso Standard Oil Company at Linden, N. J., died there December 19. He was fifty-nine. Mr. Porter had been at Bayway for twenty-two years.

James A. Rohan, a former investigator with the Union Carbide & Carbon Corporation, New York, was found dead December 19 at his home in Oak Ridge, Tenn. He was seventy-two years old.

Shell Names Thomas

P. C. Thomas has been named general sales manager of Shell Oil Company for the eastern United States. He succeeds H. G. Swanson, who will retire December 31.

Mint-Oil 1951 Crop, Lower In Output, Exceeds '50 Value

The Bureau of Agricultural Economics reported in its year-end crop production report for 1951 that the value of this year's mint-oil crops amounted to $12,518,000, about $2,358,000 more than last year's crop and some $4,033,000 over the ten-year average of 1940-49.

The greater value reflected the higher prices that prevailed because production was slightly under the crop of 1950, although considerably above the ten-year average. Output of this year's crop amounted to 2,001,000 pounds of oil, as against 2,061,000 for the 1950 crop and 1,657,000 for the ten-year average.

The peppermint crop amounted to 1,597,000 pounds having a value of $10,483,000 as compared with 1,583,000 pounds last year, with a value of $8,403,000. The spearmint crop amounted to 404,000 pounds, valued at $2,035,000 against 478,000 pounds last year, valued at $1,757,000.

Production in pounds by states with 1950 comparisons is shown in the following table:—

	1951	1950
Peppermint:—		
Indiana	400,000	400,000
Michigan	200,000	220,000
Oregon	555,000	657,000
Washington	442,000	306,000
Total	1,597,000	1,583,000
Spearmint:—		
Indiana	258,000	301,000
Michigan	146,000	177,000
Total	404,000	478,000

Trade Briefs

Sharp & Dohme, Inc., Philadelphia, has released "Cyclaine" (veterinary) hexylcaine, hydrochloride, a new veterinary caudal anesthetic.

Israel Pharmacists Association is seeking American capital participation up to $140,000 for construction of a new pharmaceutical plant in Israel.

Gray Drug Stores, Inc., Cleveland, Ohio, has formed a wholly-owned subsidiary, Gray Drug Stores, Inc., of Dayton, Ohio, to operate three new stores in that city.

Sergio Finzi has been named area sales manager of the international division of Schering Corporation, Bloomfield, N. J., for Latin America.

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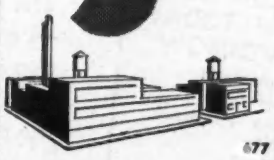
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Botanical Drugs, Spices, Gums

The trade was a unit in its opinion of business in botanicals last week. As a late, oldtimer in the market was wont to say in the past: "All the business done last week could be placed on the head of a four-penny nail." It was doubtful if volume last week was much if any smaller than it is when most years draw to a close but it was small enough to make most merchants look forward in hope for a broad revival of buying, come the turn of the new year when 1952 trade will square away. The market index remained unchanged.

Drug items on the surface were steady in price but there was some reason to believe that the tendency was for price improvement early in the new year. Upward movements have already taken place even without the benefit of substantial increase in consumers' takings. The undertone of the market was definitely firmer and good business during the first quarter of 1952 was expected by dealers to prove a stimulus to price increases. It was also interestin, to note last week that suppliers in general have a fair sized backlog of orders that call for billing and delivery after January 1 and for that reason the first two weeks of the new year were expected to be a busy fortnight.

Aromatic materials underwent rather fewer price changes than is their wont most of the time. Six advances against fifteen declines was the record last week and the changes were mainly trifling in extent. Most of the sag in quotations could be traced to the withdrawal of buyers because of inventory necessities. At their origins, prices for most of the items affected showed a disposition to end the year in fairly steady price position.

Balsams

Peru — Prices became easier under slackening demand. Quotations were reduced to $1.90 to $2.40 per pound, ranging according to seller and quantity.

Tolu—The minimum spot quotation remained at $5.85 per pound but some who recently asked $6.75 revised their views downward to the basis of $6.25 per pound.

Barks

Black Haw—Prices advanced no further but despite the absence of much demand for prompt delivery, the tendency upward remained on spot. The source prices have become much firmer.

Sassafras—Considerable forward business has been booked for billing and delivery subsequent to January 1 next. For the most part higher prices than recently prevailed have been obtained on such contracts. The quality of 1951 crop bark was good to excellent but the quantities collected were unimpressive.

Beans

Vanilla—The year will end with the market dull as to demand but fairly steady so far as prices are concerned. The lack of further spot unsettlement seemed to reflect the apparent strength of foreign price views and the determination of shippers to obtain the prices asked. Failing that, the present tendency abroad is to reject most bids cabled. Stocks now in this country will probably care for consumers' actual requirements during the first quarter of 1952.

Flowers

Arnica—True species of arnica montana were definitely firm in price and not available abroad at a cost permitting much if any deviation from the current spot quotations.

Chamomile — Argentine flowers have strengthened of late under the alleged crop failure of chamomile grown in that country by refugees from the European producing countries. Spot price views were strong in most quarters, regardless of the current absence of demand for prompt deliveries. Some expect a revival of demand after the turn of the year.

Elder — Most factors have quite firm views so far as prices at which deliveries after the turn of the year are to be sold. The available stock now unsold in first-hands was conservative to forecast a period of considerable price strength early in 1952.

Herbs and Leaves

Catnip—Little activity was noted last week. Apparently requirements have been covered and for the next several weeks trade is apt to be on the dull side. However, absence of much demand was expected to be in contrast with the firmness of spot prices.

Digitalis—The needs of the main consumers have been well protected and a rather routine volume of trade was expected to prevail early in the coming year. Prices were well stabilized.

Horehound—Seasonal requirements have accounted for a fair part of the stock prepared in the past to meet the demand of the 1951-52 consuming season. Jobbing demand was noted last week, and there was very little of that. Prices were rather easy.

Sage—Dalmatian material was advanced to 62c. to 63c. per pound, but the Italian officicinalis was reduced to 34c. to 35c. Actually, there was hardly enough business on which to predicate a firm price position on any variety.

Savory—Spanish material was fractionally higher at 16c. to 16½c. per pound. French goods remained free from price change.

Thyme—According to quality, French leaves now afloat to the spot were quoted over the range 21c. to 22½c. per pound.

Miscellaneous

Ergot—Prices in Spain and Portugal have been advanced. The spot situation might require the word "critical" if a correct perspective of the market be gained. Considerable trouble in getting contracts shipped from the source has been encountered. Most suppliers were not disposed to quote anything last week, refraining from mentioning price until actual consumers approached their regular suppliers. The market appeared to be $7.50 to $8 per pound, but one quarter had a price of $6.75, applying only on extremely limited quantities and then only to its regular customers. The quantity available and the terms of sale prevented that figure from constituting the "market."

Papain—Although some fair sized quantities had been recently imported at this port, the arrivals failed to affect quotations. They remained firm, well supported, and in line with the situation with respect to supply and cost abroad.

Roots

Blood—Trade was expected to be slow in virtually the last week of the year. Sea-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

Drugs

None

Other Articles

Cardamom, green, Alleppey, 15c. per lb.
Ceylon, 15c. per lb.
Cassia, China, Canton rolls, select, ½c. per lb.
broken, ½c. per lb.
Sage, Dalmatian, 1c. per lb.
Savory, French, ½c. per lb.

Prices Reduced

Drugs

Ginger root, African, 1c. per lb.
Nigerian, 1c. per lb.
Peru balsam, 15c. per lb.

Other Articles

Anise seed, Czech, ¼c. per lb.
Caraway seed, ½c. per lb.
Cardamom, decorticated, Guatemalan, 5c. per lb.
Cassia, Batavia, longstick, ½c. per lb.
Celery seed, French, ½c. per lb.
Coriander seed, Morocco, ¼c. per lb.
Cumin seed, Indian, ½c. per lb.
Moroccan, ½c. per lb.
Nutmeg, West Indian, ½c. per lb.
Pepper, black, spot, 23c. per lb.
red, Mombasa, 2c. per lb.
Poppy seed, Argentine, ¼c. per lb.
Dutch, ½c. per lb.
Sage, officinalis, Italian, 1c. per lb.
Sesame seed, Nicaragua, hulled, 2c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
220.1	220.1	217.9	181.9	231.2

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended Dec. 14

New York

Celery seed, 28 bags; filthy.
Gentian root, 100 bags; filthy.
Locust beans, 2 lots, 300 cases; filthy.
Oregano, 40 baskets; filthy.
Pepper, black, 2 lots, 150 bags; adulterated with mineral oil.
Psyllium seed husk, 2 lots, 182 bags; filthy.
Rosemary leaves, 30 bales; filthy.
Senna leaves, 68 bales; filthy.

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sonal demand for products of which this root is part of the formula was said to have been reasonably active but most of the larger buyers seem to have their forward requirements well covered. Prices were steady.

Gentian—Some trouble with respect to quality has been encountered by importers, the latest detention by the Food and Drug Administration being 100 bags. However, most dealers have a sufficient reserve of released merchandise.

Senega—The market was firm in price at all points and though it lacked demand sufficient to find reflection in prices, the tendency still seemed to be upward. At least, competition was negligible last week and was likely so to remain.

Seeds

Anise—Czech seed was a small fraction lower at 14½c. to 15c. per pound. No quotations developed in Chinese star anise. Spanish seed, recently quoted "afloat" became available on spot.

Caraway—Market inactivity led to competition. Competition led to price reduction. The market ended last week at 12½c. to 13c. per pound.

Cardamom — Decorticated Guatemalan seed was lowered to $3.60 to $3.65 per pound. Green seed of both persuasions was higher at $2.75 to $2.80.

Celery—French seed fell off a fraction to the basis of 35c. to 36c. per pound. The only change in Indian seed was a narrowing of the margin to 31c. to 31½c. per pound.

Coriander — Morocco seed actually on spot was down to 10¾c. to 11c. per pound, and goods afloat were quoted ¼c. below that level. Argentine and Czech seed held unchanged.

Cumin—Iranian seed was noted at 20c. to 20½c. per pound and the Indian variety was cheaper at 21c. to 21½c. Moroccan seed remained high at 21c. to 21½c.

Poppy — A slow and inactive market brought some shading of local quotations. Argentine seed became 14½c. to 15c. per pound and Dutch seed became 16½c. to 17c. Czech seed was noted at 16c. as a nominal price.

Spices

Cassia—Prices were well stabilized on spot despite the absence of much consuming interest during the past week. It seemed likely that local quotations had worked about as low as they could and still hold within reasonable distance of the prevailing shipment quotations at the primary market where selling to the United States can still be done. Little chance existed for getting more China cassia direct from the primary market.

Clove—Stocks on the spot were a trifle larger—but not much more than had been in warehouses in recent weeks. The fact was that most of the spice known to be coming forward from the origins was under engagement for later delivery to buyers. Consumption in the Far East has been so high as to reduce the quantities available for export trade with the United States. Prices ruled in strong fashion.

Ginger—Most primary markets were firm. African root on spot was down slightly to 30c. to 31c. per pound. So was split Nigerian root at 29c. to 30c. Jamaican root was virtually strong because of limited supply.

Nutmeg—West Indian material was shaded to 38c. to 39c. per pound under absence of more than jobbing demand. East Indian goods did not change but they were rather easy.

Pepper—Prices broke early last week and during the greater part of the period sellers proposed to accept orders as follows:—Spot, $1.52 per pound; December shipment, $1.40; January shipment, $1.39; January-March shipment, $1.36. In red peppers, Louisiana longs became nominal at 30c. per pound but Mombassas were down to 56c. to 58c. Other kinds remained unchanged.

Trade in spot goods was naturally at low ebb so far as prompt deliveries of black pepper were concerned. Furthermore, it was not easy to interest grinders in forward positions during the past week and the result was a quiet week of low volume transactions in all positions.

Prices broke sharply on Friday and became nominal as follows:—spot $1.34 per pound; January shipment, $1.30; March shipment, $1.26. All sellers withdrew.

De Laire Names Bezard

Francois de Laire of Fabriques de Laire, Paris, who is currently visiting in New York, has announced the appointment of Louis Bezard as sales manager for the de Laire division of Dodge & Olcott,, Inc., New York. Mr. Bezard has had twenty-four years' experience in the perfume industry in this country, the last seven of which he served as vice-president of Parfums Schiaparelli, Inc.

Trade Briefs

Abbott Laboratories received one medal award and four merit awards in the nineteenth annual exhibition of advertising art sponsored by the Art Directors Club of Chicago.

Sharp & Dohme, Inc., Philadelphia, has renewed financial grants for medical research at the Children's Hospital, Philadelphia, and by the North Carolina Pharmaceutical Research Foundation.

Helen Martin, formerly a member of the clinical research department of Lakeside Laboratories, Inc., Milwaukee, Wis., has been named assistant advertising manager.

Gustave A. Wohlfort, comptroller of Fritzsche Brothers, Inc., New York, is reported to be rapidly recovering at Mt. Vernon hospital, Mt. Vernon, N. Y., from a recent operation.

Dr. Henry M. Burlage, dean and professor of pharmacy and pharmaceutical chemistry at the University of Texas College of Pharmacy, has been elected president of the Texas chapter of Phi Beta Kappa.

Essential Oils, Other Aromatics

So far as prompt delivery selling was concerned, the essential oil and aromatic chemical market was at a standstill last week but, with respect to orders to be delivered within the first ten days of January, 1952, considerable business was done. Trade was typical of that usually experienced at the end of most years but it seemed as though the fall in demand this year has gone a trifle farther than the norm. Where prices were not held unchanged, they were reduced and usually because of competitive conditions. The market index fell 0.7 point.

The market, however, was not without signs of strength. Spanish oils gained further prominence when some dealers reflected in spot prices the new and higher floor quotations recently established by the Spanish government. For example, the price floor on eucalyptus oil is 20 cents per pound higher than previous quotations; on rosemary oil, it is 14 cents higher. Thyme and rue oils seemed destined to bring higher prices here.

Other items of potential strength included cedarwood, nutmeg and Messina lemon oils, both of which were raised in some quarters. The need for a resumption of red cedarwood oil production was reported increasing. Requirements not easily satisfied existed. Activity has increased and it was suggested that a new use had been developed. Texas, Tennessee, Virginia, and the Carolinas offer very little now. High cost of raw material strengthened nutmeg oil. Messina lemon oil shippers declared their intention to ship nothing but 4 percent citral oil to the United States because other oil had been rejected here. Weakness continued to develop in bois de rose, Java-type citronella, dillweed, lemongrass, California orange, and patchouli oils. They were all reduced in price last week. Furthermore abies siberica and amyris oils developed a downward trend under competition.

Peppermint and spearmint showed considerable strength. Wormseed at the origin was held far more strongly than the stocks now unsold at the source would suggest. Scarcity of coriander from Russia was reported. Yugoslavia quoted high prices for shipment goods, so high that the quarter staged a virtually sensational spot price rise.

Essential Oils

Abies Siberica—After about five weeks of complete price stability, quotations were reduced in one quarter last week to the basis of $3.50 per pound. The range to $4.25, according to supplier, was refined. The decline indicated a more competitive spot position.

Amyris — Not since last August had there been a change in quotations on this oil but during the past week, one quarter took a more competitive position on the market and offered spot deliveries on the minimum basis of $1.60 per pound; it was 5c. decline. The range was still to $2, according to seller.

Anise—Differences in sellers' approach to prices was evident in the prevailing range of $1.70 to $2.60 per pound. Despite the interruption of direct imports from China, stocks of spot oil were said to be better than considerable, a fact which kept users well supplied with prompt delivery merchandise from quarters where inventories had been increased at a critical time. Anethol has also enjoyed considerable vogue since it can be produced from either anise or fennel oils. Demand lagged last week, mainly because of seasonal influences with respect to keeping inventories as low as possible for the purpose of improving yearend financial statements.

Apricot Kernel—Prices became steadier following the moderate price decline set in one quarter during the previous trading period. Quotations remained 40c. to 65c. per pound, according to seller. Buyers' needs were said to be met promptly and in full measure from adequate stock reserves.

Bois de Rose—The market continued to work toward lower levels. Quotations in one quarter last week were dropped to $1.30 per pound, and the outside position of $4.75 was held mainly in one quarter. The downward movement began in the last week of December; prior to that, the last change had been made in August. The price floor has been maintained.

Caraway—The recent bulge in caraway seed prices came to an end recently and

Market Trends

Prices Advanced

None

Prices Reduced

Abies siberica oil, 15c. per lb.
Amyris oil, 5c. per lb.
Bois de rose oil, 5c. per lb.
Citronella oil, Java-type, 5c. per lb.
Dillweed oil, 25c. per lb.
Lemongrass oil, 25c. per lb.
Orange oil, Californian, 15c. per lb.
Patchouli oil, 50c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
188.6	189.3	213.9	132.7	196.0

(For Current Prices see Page 9)

downward reaction has cheapened the import cost of raw material for those who actually distill in this country. Most dealers buy the oil abroad in the Dutch or nearby markets. Quotations in local quarters continued to be quite steady, the present range having been established last August.

Cassia—Stocks in most quarters were limited; in some directions they were said to be close to exhaustion and replenishment of supplies direct from China has been interdicted by Federal government regulations with respect to doing business with Red China. A few dealers—about two in number—quoted $4.95 per pound, but others named upwards of $6.

Citronella—Weakness was still apparent in this oil and during the past week quotations on Java-type material were reduced to the basis of 85c. per pound in one quarter. The range continued to reach $2.25. Even though stocks in Formosa may have decreased more than is generally known here, spot holdings were at relative high levels and that alone would contribute much to the current price unsettlement. No change came in the quotations on Ceylon and Java oils.

Clove—Some sellers have stopped offering or quoting on spot stocks. Others have limited quantities that in all cases were held strongly to $3.65 to $4.25 per pound. Quotations on spice prevailed at levels record high for all recallable past.

Coriander—Prices on oil originating in Yugoslavia have been raised sharply by shippers. So great has been the advance that one spot quarter has been compelled to up all oil quotations to the basis of $36.50 per pound. Not much Russian oil was said to be available on spot and the little available was rarely available under $25 and $26.

Dillweed—A more competitive spot position brought prices in one quarter down to the $3.75 per pound level. The range to $4.50 was still retained but little business could be done at higher level during the balance of this year.

Eucalyptus—The Spanish replacement prices rise of 20c. per pound compelled at least one quarter to name the higher price of $1.60 per pound for 80-85% material, and $1.45 for the 70-75%. Australia offers nothing now. Neither does the Belgian Congo. Apparently, at the moment, Spain controls the market. Minimum spot quotations were $1.25 on 80-85%, and $1.10 on 70-75%, but both of those quotations tended to become nominal pending further unfolding of the situations in foreign markets.

Geranium—The market continued weak. Sellers indicated that quoted prices were usually subject to shading when it came to doing business under competitive circumstances. However, the question of quality also played an important part in establishment of values and accounted for the wide range in sellers' opinions. Algerian oil ranged $20 to $25.25 per pound; Bourbon, $15 to $24.50.

Ginger—The strength so long evident in the ginger root market continued to find reflection in prices on distilled oil of ginger. Quotations ranged $19 to $24.50 per pound—which seemed to be exceptionally wide for an article the quality of which runs fairly uniform with all suppliers.

Grapefruit — Trading was quiet and strictly for jobbing account. Prices held to the basis of $1.70 to $2.25 per pound. Stocks were not plentiful because production was curtailed by bad weather conditions, mainly frosts that in some parts of the country killed the entire crop of fruit.

Lavender—The 40-42% ester oil had a top level of $8.50 per pound when one quarter fully reflected his present replacement cost. Minimum was still $6.50 but the quotation had a certain amount

For Late Market Developments, See Page 4

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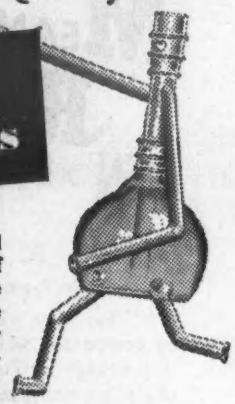

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of uncertainty because of the situation abroad. Other qualities lacked change.

Lemon—Because of the Food and Drug Administration rejects of commercial quality of oil arriving from Messina, Italy, cables last week suggested that, with the exception of two not too reliable shippers, Messina shippers have decided to send no more of such oil to the United States. Apparently, London does not worry about its quality and buying for British account has made Messina shippers independent of the United States. Italy is prepared to ship nothing but oil testing 4 percent citral the cost which oil would make a spot market at $8—which was quoted in one quarter last week. This compared with commercial quality at $3.65. Oil with a minimum of 4 percent citral formerly was mandatory to meet USP standards. The present USP monograph has no citral specification.

Lemongrass—The mark-- continued to decline, reaching the minimum point of $2 per pound last week. The range was to $4.25—though how anyone could get an order at anything like that figure figured in the comment of other sellers during the period under review. Stocks at the sources and on spot were plentiful.

Orange—As one quarter said last week "California orange oil is running out of the ears of all who produce or sell it." Prices broke to a low of $1.65 per pound and the asking price of $2.75 noted in one quarter was purely a nominal figure so far as those willing to buy from so-called independent producers. Other varieties of domestic oil were weak but lacked open change while being subject to shading.

Patchouli—Overstock on spot and at the origin kept the market weak and declining. The latest, lower, quotation was $9 per pound, though the range remained to $17.

Rosemary—The Spanish floor price was 14c. above levels in effect before the floor was established. One spot quarter went to $1.30 per pound for USP oil last week and only limited quantities were still available at 85c.

Sage — Rather steady decline in the price for Dalmatian sage has developed in the primary market over the past several weeks and it would appear that the replacement cost of oil might reflect the lower cost of raw material to the primary market distillers. However, spot quotations gave no sign of such a development last week neither with respect to Dalmatian sage oil nor to any other variety.

Spearmint—The spot market was inactive last week but market undertones continued to reflect the stronger situation developed among suppliers in the middle-western production area. Some on spot expect still further rise in prices everywhere.

Thyme—Creation of floor prices on Spanish oil tended to stiffen and strengthen the price views of local suppliers of spot goods.

Wormseed—Primary market shippers have plenty of oil but refuse to budge from prices through which they are seeking to recoup some of the losses incurred in recent years. Hence, sellers quoting $7 on spot were below present replacement cost and a spot market at $8.50 was declared warranted.

Aromatic Chemicals

Anethol—Demand light, supply adequate, prices steady.

Eucalyptol—Tending higher in production cost as the price for Spanish eucalyptus oil reached a higher price floor.

Linalool—Turning easier so far as the product from bois de rose was concerned because of further oil price drop.

Linalyl Acetate—When made from bois de rose, the product tended easier in keeping with the further fall in raw material prices.

Chicago Cosmetic Chemists To Hear L. Rosner Jan. 8

The Chicago chapter of the Society of Cosmetic Chemists will hold its next meeting January 8 in Henrici's Restaurant in the Merchandise Mart, Chicago. Dinner will be at 6:30 p.m. Guest speaker will be Dr. Lawrence Rosner, technical director of the Laboratory of Vitamin Technology, who will discuss "Irritation and Toxicity Testing of Cosmetics."

Fritzsche Holds Sales Conference

Fritzsche Brothers, Inc., New York, recently held its annual sales conference, followed by a dinner-dance for all employees at the New Yorker hotel.

Trade Briefs

Burton, Parsons & Co., Washington, D. C., has named Richard H. Belknap sales-advertising manager.

Research & Control Instruments Division, North American Philips Company, Mount Vernon, N. Y., has developed a new "Norelco" Geiger-counter recording x-ray spectrometer.

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Protective Coatings Materials

Conditions held pretty much to their previous levels last week as far as supply, demand and price were concerned. No changes of any considerable proportions were expected anywhere until at least the first of the year. Red vermilion quicksilver, however, at the close of the week, showed an easing resulting from the tightness in quicksilver.

The demand for earth colors was at the same good point that had been observed for some time. Supply was reported to be about even with it. The tightness in lead metal persisted and this situation continued to reflect itself in the market for lead pigments. The demand for them was still strong and the supply on the tight side. The synthetic resins were not in as strong a demand as they had been some months ago but they were still moving well. Maleics were strong enough to accommodate the market without any trouble. Alkyds were said to be in about fair availability as compared to the demand. Phenolics had eased off somewhat on demand. This meant that the overall supply position had improved although there were still some pinches to be seen here and there. Because of this easing, it was reported that consumers were not attempting to stock up on the item as much as they had a few months ago when they were not as sure as they are at present about the supply.

The National Production Authority, it was announced, has lifted restrictions on inventories affecting several materials. In an amendment to NPA Regulation 1, it removed inventory restrictions from phenolic resins and molding powders and polyvinyl acetate. The demand continued about fair for the natural resins. It was thought by some that after the first of the year there would be an increased interest in these materials. At the present time, inventories in the hands of consumers were thought to be low. These, it was said, would soon need replenishing. Supply at the moment was all right, although a sudden increase in purchasing, it was said, might tighten up the picture. Shellac was uneventful pricewise, although there were fluctuations on the Indian market. Casein held on price and consuming interest continued light.

Market Trends

Prices Advanced

None

Prices Reduced

Red, vermilion, quicksilver, 2c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
215.3	215.3	215.3	173.7	212.2

(For Current Prices see Page 9)

Prime Pigments

Black, Carbon—Imports of this material by Brazil totaled 21,332,000 pounds in 1950. Almost all of it was from the United States, the Department of Commerce reports. The quantity imported by Brazil from Europe in 1951 was expected to increase over that in previous years, but imports from that source have been far below the amounts estimated. Carbon black of contact or furnace quality is not produced in Brazil. There is a small output of charcoal black but this is of low quality and is used only for blending in limited quantities and for a few purposes.

Earth Colors—There was no change apparent in this market during the past week. The demand held at a good point and the supply was said to be running about even to it.

Lead Pigments—With no change in the tightness of the metal, the pigments continued in a similar position on supply. The demand held at the strong point that had been evident for some time.

Red, Vermilion, Quicksilver—The easing in the quicksilver market last week caused a decrease of 2c. per pound in this product.

Titanium Dioxide—A deposit of titanium-bearing ore has been reported at Ste. Marguerite, Quebec, Canada, near Montreal. The ore is said to concentrate easily and have a small grain. No tonnage estimates are yet available. This information is from the Department of Commerce.

OPS has exempted this material from pricing under GCPR, effective December 26. It places pricing under CPR-22.

Fillers and Extenders

Barytes—A newly opened mine and plant in Nova Scotia, according to the Department of Commerce, suspended operations in October because of an oversupply of milled barytes. A sufficient market for the product, it was said, has not yet been developed and stocks have filled the warehouse. Production at another mine was up considerably, it was said, in the first six months of this year above that in the corresponding period of last year. Totals for the crude were 27,020 tons and 18,935 tons, respectively. For milled barytes the totals were 15,785 tons and 10,145 tons, respectively. Sales of the crude were up twenty-five percent over those in the first half of 1950, but sales of the ground product were down somewhat.

Synthetic Resins

There were no considerable changes in the market for the various synthetics during the past week. The demand, in many cases, had eased off a little but was still holding at what were considered pretty good levels. The supply of maleics held to a sufficiently strong point to accommodate the market without any pinch. The demand for them was at what were considered fair levels. Alkyds were moving well and the availability was said to be about fair. The demand for the phenolics was not as great as it had been. In the overall situation it was reported that there might be some small pinches here and there but that they were being overcome because of an easier demand situation than had existed a month or so ago. As a result consumers were not attempting to stock up on the material as they had at the time of the tighter position of supply.

Supplies of formaldehyde, benzol and other raw materials which were affecting the production of industrial plastics and adhesives earlier in the year have been improved by substantial production increases and virtually all materials are now in free supply, one producer stated last week. With supply meeting demand, manufacturers may face a lowering volume of sales and narrowing profit margins in 1952, this source said. Its sales of phenolic resins and phenolic molding powders gained the most ground, among its industrial chemical products, during the year, in terms of tonnage and dollar volume. Emphasis on these products resulted largely from the demands of plywood manufacturers and custom plastic molders. Whether or not these gains will remain firm during the coming year depends, of course, on the progress made in the rearmament program, it was pointed out.

The linseed oil market was off ½c. early in the week and it was said that quotations could be shaded. Soybean oil was off ¼c. Supply of both materials was ample and the demand was poor, which was a usual condition for this time of year.

The National Production Authority has lifted inventory restrictions from several materials because of better supply conditions. In an amendment to NPA Regulation 1, which governs inventories, NPA removed all inventory restrictions from phenolic resins and molding powders and polyvinyl acetate.

Natural Resins

The conditions that had prevailed in this market for some time were largely unchanged during the period under review and there were no indications that there would be any substantial revisions in the immediate days ahead. The demand was at fair levels. There were, however, those who thought that after the first of the year there would be an increase in consumption. It was reasoned that stocks had been low for some time and would require replenishing and that consumer inventories at this time were being kept low. Supply was sufficient to accomodate the present demand although the thought had been advanced that if large numbers of those requiring material should come into the market at the same time there might be something of a pinch. Supply at the source was ample, with the exception of Singapore, at which point there was some tightness.

Shellac—The strike that had affected shipping at the Indian point of origin was reported to be over. There had not been much trouble caused by this strike since

For Late Market Developments, See Page 4

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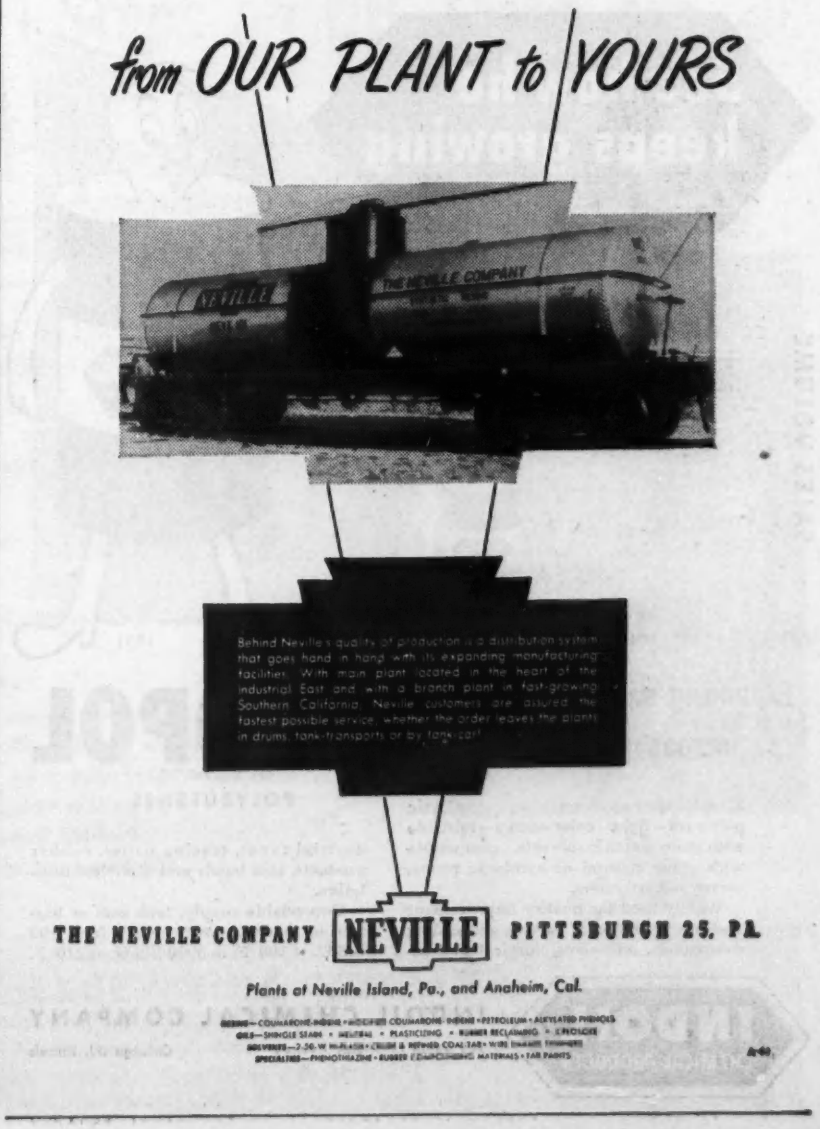
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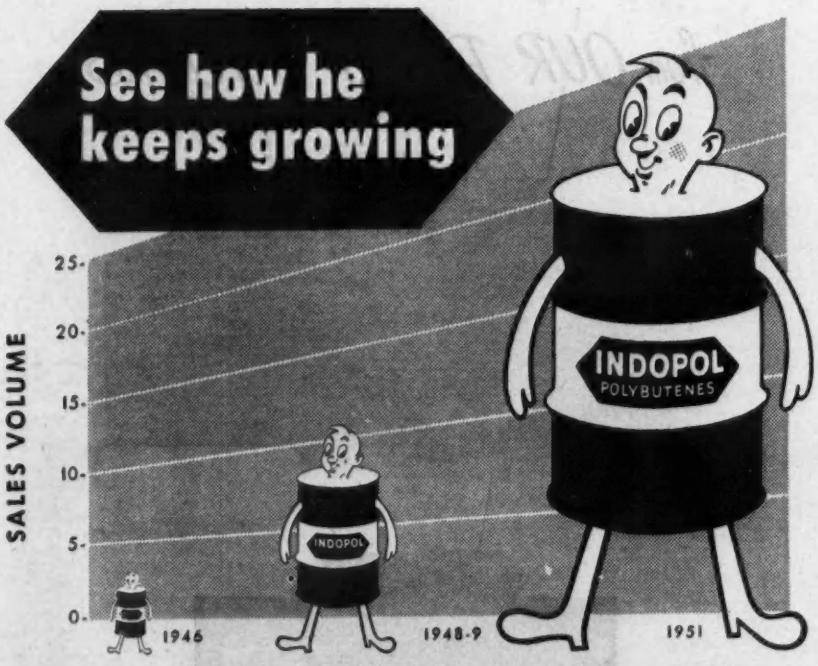

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it was of short duration and even during it shipments were made, although sometimes a little light and a little late. The tendency there was to hold prices but they have slipped somewhat. The past thirty days have seen an up and down tendency there but in each direction the movement has not been great enough to have any material effect on this market. Supply there was said to be sufficiently high for consumers but there was a certain amount of speculating going on.

The demand here was on the quiet side, although not any lighter than it had been in recent weeks. The fact that the year was coming to its close and consumers were inventory-conscious was one of the principal reasons for this. Prices held at their previously established levels although it was said that in some cases they could be shaded a little.

Lacquer Materials

Phthalates — Production of dibutyl phthalate during September of this year, according to a recent report from the Tariff Commission, came to 1,595,026 pounds, which was higher than the previous month's figure of 1,395,423 pounds. Diethyl phthalate was produced in the amount of 1,367,059 pounds in September, which represented a decrease from the previous month's total of 1,900,244 pounds. No figures were available on the September production of dimethyl phthalate. The August figure, however, was 725,703 pounds. Dioctyl phthalate showed a production of 5,671,225 pounds in September. which was a decline from the previous month's figure of 5,908,530 pounds.

Tricresyl Phosphate—Production of this material in September, according to the Tariff Commission, amounted to 1,299,641 pounds. This was lower than the previous month's total, which came to 1,435,532 pounds.

Naval Stores

The government of Pakistan has invited bids for the erection of a rosin and turpentine distillation plant with an hourly capacity of 220 imperial gallons. The factory is to be established in the Northwest Frontier Province and will be under the director of industries of that province.

The record of the gum naval stores markets during the week ended December 21 was as follows. (Under Savannah Exchange prices marked with an asterisk are actual sales prices of the week, others are last known prices):—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.†	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday	
B	$7.00	$7.00	$7.00	$7.00	...	$9.10	$9.85
D	7.00	7.00	7.00	7.00	...	9.10	9.85
E	7.50	7.50	7.50	7.50	...	9.10	9.85
F	9.15	9.15	9.15	9.15	...	9.10	9.85
G	9.15	9.15	9.15	9.15	...	9.10	9.85
H	9.15	9.15	9.15	9.15	...	9.10	9.85
I	9.15	9.15	9.15	9.15	...	9.10	9.85
K	9.15	9.15	9.15	9.15	...	9.10	9.85
M	9.15	9.15	9.15	9.15	...	9.10	9.85
N	9.07	9.07	9.07	9.07	...	9.10	9.85
WG	9.40	9.40	9.40	9.40	...	9.40	10.75
WW	9.60	9.60	9.60	9.60	...	9.60	10.90
X	9.60	9.60	9.60	9.60	...	9.60	10.90

Drums					
Sales	...	...	...	...	...
Receipts	37	280	...	...	...
Shipments	...	...	...	...	...
Stocks	17,453	17,732	17,732	17,732	...

Gum Turpentine

New York, Fri., tankcars, f.o.b.gal. (7 lbs.), .83¼ ret. dms., l.c.l., ex whse. gal. (7 lbs.), 1.00

Savannah Exchange, Bulk	Mon.	Tues.	Wed.	Thurs.	Fri.†
Per gal.	.80	.80	.80	.80	...
Sales, dms	...	...	...	...	...
Receipts, dms	277	79	78	138	...
Shipments, dms	131	129	...	66	...
Stocks, dms	10,022	9,972	10,050	10,122	...

† Not available.

Miscellaneous Materials

Casein—Prices for domestic and Argentine material held at their previous levels last week. The Argentine floor price still had not been changed by last week although it was heard that the major producers there were in favor of lowering it to meet the competition being shown by material from other places. Sources in this country had thought for some time that the Argentine would have to reduce its listing and still held to the opinion that this will be an eventual development. Inventories in the hands of consumers were pretty low at this time because of the lack of buying interest in recent months. One opinion heard last week was that because inventories were low there would probably be an increase in sales if it could be determined that the market was stabilizing pricewise. Supplies were available from the Argentine as well as from other countries. The demand for the domestic was no better than that for the imported, and supplies of this were also available in sufficient amount.

Glue—Production of hide glue in October, according to figures released by the Bureau of Census, amounted to 5,752,090 pounds. This was considerably higher than the September total, for that came to 4,913,941 pounds. In October of last year, however, the total amounted to 6,497,785 pounds.

Shipments in October of this year amounted to 5,051,983 pounds. The Sep-

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tember figure was 4,323,458 pounds. These were topped, however, by the October, 1950, figure, which came to 6,830,219 pounds.

Stocks at the end of October this year totaled 9,924,758 pounds, or a higher amount than the previous month's figure of 9,224,651 pounds. Stocks at the end of October a year ago amounted to 7,935,781 pounds.

Cadmium Order Relaxation Urged on NPA by Industry

Relaxation of the use controls of M-19, the cadmium order, was recommended December 18 by the cadmium producers and cadmium distributors and consumers industry advisory committees meeting jointly with the National Production Authority. In urging relaxation of the use limitations of M-19, the committee pointed out that approximately a two-months' supply of cadmium is now in the hands of producers, and that, on the basis of present estimates accumulations will increase in coming months. It was also noted that military requirements have not been as heavy as anticipated.

Becauase of technological advances in zinc plating and other metallurgical processes, the committees said, it is doubtful whether the demand for cadmium will be substantially increased by easing the existing curbs on consumption. The committee approved the retention of current inventory controls, urging also that M-19 be relaxed in such a manner as to permit its reimposition whenever such action becomes necessary.

NPA noted that, according to the most recent estimates, cadmium is being produced at a rate of approximately 8,000,000 pounds annually. It is not anticipated that government uses will absorb more than 30 percent of this total.

Nat'l Gypsum Co. Sales Organization Strengthened

In a move to strengthen its sales organization, National Gypsum Company, Buffalo, N. Y., has announced that John W. Brown, general sales manager, has been made a top sales executive, reporting directly to the president. To assist him, the position of assistant general sales manager has been created and Wade W. Hildinger has been named to the post. General commodity manager David G. Stenberg will retain his present duties, handling the routine of day-to-day operations. Vice-president Dean D. Crandell, previously in charge of general sales, will now devote full time to export, industrial and contract sales, including the development of more products and wider markets.

Patton, St. Joseph Lead Co. Gen'l Traffic Mgr., to Retire

In accordance with the retirement policy of the St. Joseph Lead Company, Walter G. Patton will retire as general traffic manager on December 31 after thirty-nine years of service. January 1, Michael A. Tubia, who has been assistant traffic manager, will succeed Mr. Patton, and as general traffic manager will have his headquarters at 250 Park avenue, New York. Also on the first, F. A. Schwab, who for many years has been in charge of western traffic matters for the company, will be appointed traffic manager with offices at Bonne Terre, Mo.

Trigg Foundation Set Up

—Continued from page 7

vided the corporation shall not itself directly engage in or operate any scientific, educational or other function.

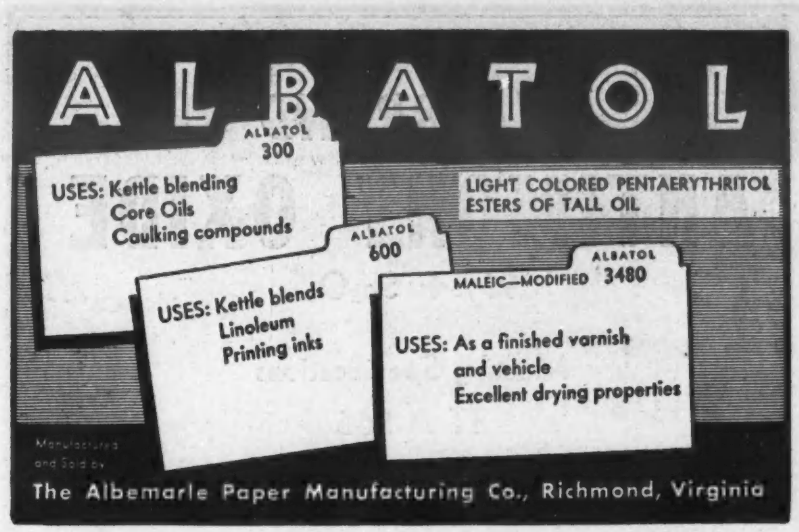
"(7) It shall cooperate with other established associations or institutions in the industry at all times to avoid duplication of effort and expense and shall employ its funds and limit its grants to such work and in such fields as established associations and institutions may not provide for adequately."

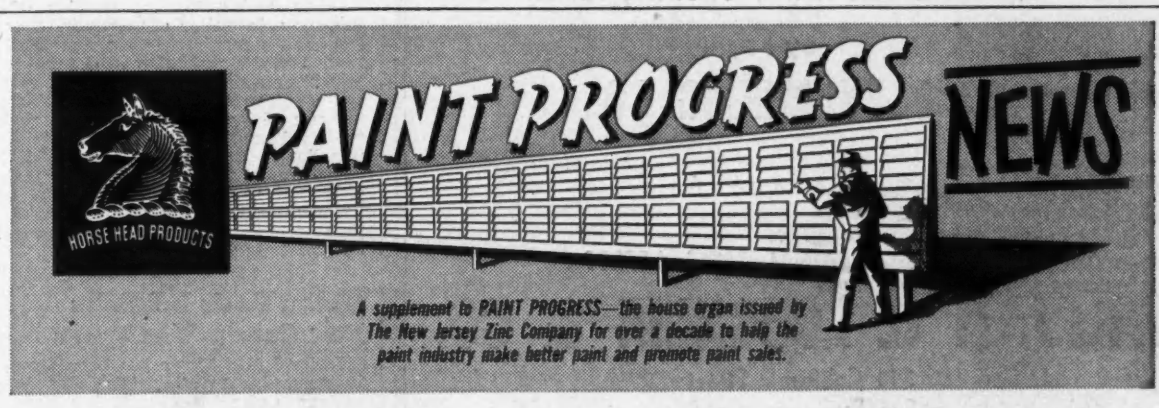
Participation in Foundation

Participation in the foundation is open will be a non-profit organization, is open to corporations, firms and individuals directly or indirectly interested in the paint industry. There will be two classes of participation. Those contributing $1,000 or more will be known as sponsoring participants and those who contribute less than $1,000 will be known as subscribing participants. There will be no dues or assessments, funds for the organization stemming solely from voluntary contributions.

Members of the board of trustees of the Ernest T. Trigg Foundation are the following:—Roy B. Anderson, president of Brooklyn Varnish Manufacturing Company, Brooklyn, N. Y.; Engene F. Cox, president of the Gilbert Spruance Company, Philadelphia; O. J. S. deBrun, president of the Egyptian Lacquer Manufacturing Company, New York; Emmet D. Griffin, vice-president of the Pittsburgh Plate Glass Company, Pittsburgh, Pa.; Walter S. Hanna, jr., president of the Hanna Paint Manufacturing Company, Columbus, Ohio, and Norman W. Kelly, president of the Southern Varnish Corporation, Roanoke, Va.

Also, W. I. Longsworth, president of the Lilly Varnish Company, Indianapolis, Ind.; Leo Roon, president of Nuodex Products Company, Elizabeth, N. J.; Arthur W. Steudel, president of the Sherwin-Williams Company, Cleveland, Ohio; Harry E. Stone, president of the American Lacquer Solvents Company, Phoenixville, Pa.; Frank L. Sulzberger, chairman of the board of the Enterprise Paint Manufacturing Company, Chicago; Dr. Frederick G. Weed, president of Rinshed-Mason Company, Detroit, Mich.; J. Heath Wood, chairman of the board of Standard Toch Chemicals, Inc., Staten Island, N. Y., and Val Wuertele, president of Minnesota Paints, Inc., Minneapolis, Minn.

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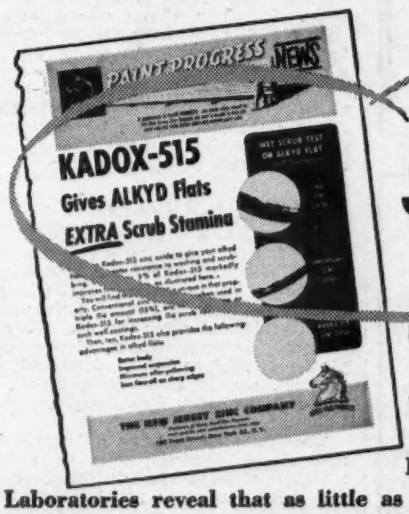

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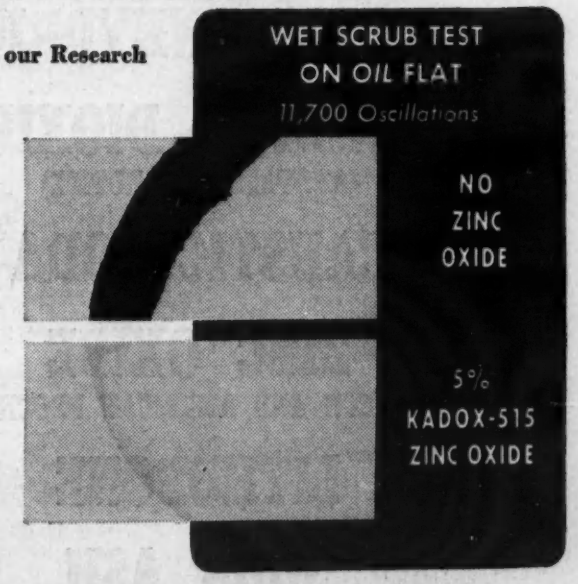

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NPA Stresses Need For Tin Conservation

In view of the critical tin supply situation, industry should explore every means of conserving available supplies of this strategic metal, the National Production Authority said at a meeting with the tin products technical industry advisory committee December 17.

Stressing that tin supplies available for distribution to industry are at an all-time low, NPA also noted that current estimates show that only 2,100 tons of new tin supplies per month will be available to industry during the first quarter of 1952 as against a normal consumption of 5,200 to 5,500 tons monthly. The situation is further aggravated by mounting requirements of the defense program, and by the fact that very little tin has been imported since March, 1951, NPA said.

Industry pointed out that consumption of tin has been reduced to a virtual minimum, and that it is doubtful, therefore, whether any further tightening of the use limitations of tin order M-8 will accomplish any appreciable conservation of this material.

In discussing the conservation of tin through substitution of metals in less critical supply, committee members called attention to the possibility of changing certain Navy specifications to permit greater use of silicon bronze, as well as to increasing use of lead-based babbitt to replace tin-based babbitt in certain industrial applications. The committee noted that greater emphasis on recovery of tin from industrial wastes would result in some savings, but they also pointed out that at present such recovery processes are not economically feasible.

Hilton-Davis Ink Sales Post Goes to Van Vyven

Richard Van Vyven has been promoted to supervise printing ink sales in the eastern United States, it has been announced by Hilton-Davis Chemical Company. Mr. Van Vyven was formerly in charge of the customer service laboratory for the printing ink trade and also directed the standardization or quality control of flushed colors, varnishes and allied products. He has been with Hilton-Davis since 1937, when he started as a research chemist, and has also worked on the production of pigments.

LIA Offers Red Lead Data

A new publication containing twenty-seven red lead base primer formulations is available from the Lead Industries Association. This twenty-page booklet, entitled "Red Lead Technical Letter No. 6," contains formulas for use under ordinary atmospheric conditions, severe atmospheric conditions (as encountered in industrial, coastal or tropical areas), tidewater exposures, and submerged exposures in both fresh and salt water.

This bulletin contains a formula index and table of general properties to aid formulators and specifiers in selecting paints for their particular requirements. Suggested uses are listed for each formula. Copies of "Red Lead Technical Letter No. 6" may be obtained without charge by writing the Lead Industries Association, 420 Lexington avenue, New York 17.

Trade Briefs

Henry M. Schachte, formerly national advertising manager of the Borden Company, has been named director of advertising.

Verne C. Bidlack, president of the Pennsylvania Color & Chemical Company, Doylestown, Pa., has received an award from the Department of the Army for industrial intelligence contributions during World War II.

H. B. Woodman, of Interchemical Corporation, Bound Brook, N. J., has accepted the chairmanship of the chemicals division in the current polio appeal of the National Foundation of Infantile Paralysis in Greater New York.

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Plastics Exposition Names Winners in Slogan Contest

"Plastics Personify Progress" is the winning entry in the slogan contest conducted by the fifth National Plastics Exposition, sponsored by the Society of the Plastics Industry, which will take place next March 11 to 14 in Convention Hall, Philadelphia. The author of the slogan and winner of the $500 first award was George Whyte, sales manager of the Dominion Comb & Novelty Company, of Montreal, Quebec.

Winner of the $200 second award was Gino Paccioretti, an engineering draftsman and product designer with Columbia Protektosite Company in Carlstadt, N. J., whose entry was "Choose Plastics for Performance." Third prize of $100 went to Colin C. Campbell, advertising manager of Rohm & Haas Company of Philadelphia, whose slogan read "Plastics Make Things Better for Everybody."

Hercules Names Cellulose Products Agent in Canada

Effective January 1, Harrisons & Crosfield (Canada), Ltd., will be distributors in Canada, except British Columbia, for chemicals manufactured by Hercules Powder Company's cellulose products department. The chemicals which are included in this new arrangement are soluble nitrocellulose; cellulose acetate flake; "Hercocel A" cellulose acetate molding powder; ethyl cellulose; "Hercocel E" ethylcellulose molding powder; "Parlon"-chlorinated rubber, and CMC cellulose gum.

Harrisons & Crosfield, for many years, has been distributors in Canada for other products manufactured by Hercules. It has offices in Calgary, Alberta; Edmonton, Alberta; Halifax, Nova Scotia; Montreal, Quebec; Toronto, Ontario, and Winnipeg, Manitoba.

Bruning Elects Mohrhusen

Bruning Brothers, Inc., Baltimore, Md., has announced the election of Arthur H. Mohrhusen vice-president of the company. Coincidently, a Bruning expansion program was announced. As a forerunner to a new paint plant to be located in the Gulf area, the concern will open a warehouse in the International Trade Mart, New Orleans, La., to serve the Gulf, south, Texas and Mississippi Valley.

Sears, Roebuck Appoints B. A. Malm to Paint Post

B. A. Malm has been named to direct central purchasing activities for the Paint & Varnish Factories of Sears, Roebuck & Co., Chicago. Mr. Malm will continue to be the operating assistant to A. B. Robertson, general manager of Sears Paint & Varnish Factories. He will be assisted by E. G. Balassie who has recently been transferred from Philadelphia where he was in charge of military contact work. H. H. Zimmerman has been named technical director of the Illinois Paint Works.

Arco Names Spoerry Executive Vice-Pres.

Emil Spoerry, jr., has been named executive vice-president of the Arco Company of Cleveland, Ohio, a subsidiary of American-Marietta Company. Mr. Spoerry has been secretary-treasurer and a director of Arco for several years, having joined the company in 1935. Formerly he was secretary-treasurer and a director of the Arco Company of California, Ltd. Arco, a maker of industrial finishes and automotive refinishing materials, was acquired in August, 1951, by the American-Marietta.

Nat'l Gypsum Elevates Baker

National Gypsum Company, Buffalo, N. Y., has elevated Melvin H. Baker, president, to chairman of the board. Lewis R. Sanderson has been elected president to succeed him. Mr. Sanderson had been executive vice-president. Mr. Baker served as president of National Gypsum for twenty-five years.

United Appoints Henry

Melvin J. Henry has been appointed general sales manager of the United Lacquer Manufacturing Corporation, Linden, N. J. He will supervise distribution, merchandising, market development and customer service.

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Ammonium Acetate

(Additional uses, supplementary to those already given in the book "Uses and Applications of Chemicals and Related Materials.")

Chemical—Ingredient of heat transfer salts.

Metallurgical — Ingredient of etching electrolytes for such metals as brass, copper, nickel, zinc, etc.

Photographic—Process material in making blue print paper.

Rubber — Process material in making airfoam rubber.

Textile—Assist in dyeing operations.

Benzene Phosphinic Acid

Chemical—Suggested for use in synthesis of organic chemicals.

Fungicides and insecticides—Suggested for experimental use as fungicide and insecticide.

Butyl Benzyl Phthalate

Ceramics—Plasticizer for compositions, containing vinyl resins, used as coatings for protecting and decorating ceramic products.

Electrical — Plasticizer in insulating compositions, containing vinyl resins, used for covering wire and in coating electrical machinery and equipment.

Glass—Plasticizer in compositions, containing vinyl resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware.

Glue and adhesives—Plasticizer in adhesive compositions containing vinyl resins.

Leather—Plasticizer in compositions, containing vinyl resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods.

Metallurgical—Plasticizer in compositions, containing vinyl resins, used as coatings for protecting and decorating metallic articles.

Paint and varnish—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing vinyl resins.

Paper—Plasticizer in compositions, containing vinyl resins, used in the manufacture of coated papers and as coatings for protecting and decorating products made of paper or pulp.

Plastics—Plasticizer in making coatings, extrusions, films, laminations, moldings, novelties, sheeting, specialties.

Resins — Plasticizer in making vinyl resins.

Rubber — Plasticizer in compositions, containing vinyl resins, used as coatings for protecting and decorating rubber goods.

Stone—Plasticizer in compositions, containing vinyl resins, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer in compositions, containing vinyl resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing vinyl resins, used as protective and decorative coatings on woodwork.

Dibutoxyethyl Phenylphosphonate

Ceramics—Plasticizer (US 2400577) in compositions used as coatings for protecting and decorating ceramic products.

Electrical—Plasticizer (US 2400577) in insulating compositions used for covering wire and in coating and covering electrical machinery and equipment.

Glass—Plasticizer (US 2400577) in compositions, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware.

Leather — Plasticizer (US 2400577) in compositions, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metallurgical—Plasticizer (US 2400577) in coating compositions, used for protecting and decorating metallic articles.

Paint and varnish — Plasticizer (US 2400577) in paints, varnishes, lacquers, enamels, and dopes.

Paper—Plasticizer (US 2400577) in compositions, used in the manufacture of coated papers and as protective and decorative coatings for products made of paper and pulp.

Plastics — Plasticizer (US 2400577) in making laminated fiber products molded products, and plastics.

Rubber — Plasticizer (US 2400577) in compositions, used as coatings for decorating and protecting rubber.

Stone—Plasticizer (US 2400577) in compositions, used as coatings for decorating and protecting artificial and natural stone.

Textile — Plasticizer (US 2400577) in compositions, used in the manufacture of coated fabrics.

Woodworking—Plasticizer (US 2400577) in compositions, used as protective and decorative coatings on woodwork, and in plastic compositions, used for many filling and repairing purposes on wood.

Dibutyl Tin Oxide

Resins—Stabilizer for vinyl stocks.

Dibutyl Tin Dilaurate

Resins—Stabilizer for vinyl stocks.

Diglycol Carbamate

Resins—Raw material in making synthetic resins.

Suggested improver of flexibility, strength, etc., in phenol-, urea-, and melaminealdehyde resins.

Dihydrazine Oxalate

Chemical—Starting point in making hydrazine derivatives.

Rubber—Accelerator in vulcanizing.

Diphenyl Sulphide

Chemical — Intermediate in making phenyl sulphur compounds.

Insecticides — Suggested for (experimental) use as fungicide and insecticide.

Lubricants — Suggested addition agent for lubricants.

Lauryl Mercaptan

Rubber — Catalyst in making copolymers such as Buna S.

Lithium Chloride

(Additional uses, supplementary to those already given in the book "Uses and Applications of Chemicals and Related Materials.")

Agriculture—Experimental reducer of leafspot disease on celery, and of susceptibility of wheat seedlings to powdery mildew and brown rust.

Air Conditioning—Ingredient of salt combinations used as low vapor pressure media in both open and closed air conditioning systems.

Chemical—Catalyst in bromination of allyl compounds.

Distillation promoter for solutions of volatile organic acids, such as formic or capric acids (used in admixture with sodium chloride).

Electrical—Electrolyte in some types of wet batteries.

Ingredient of low temperature dry cell electrolytes.

Dye—Electrolyte in depositing quinoneimine dyes.

Salicylaldehyde

(Additional uses, supplementary to those already given in the book "Uses and Applications of Chemicals and Related Materials.")

Chemical—Intermediate in making synthetic chemicals.

Cosmetics — Intermediate in making synthetic perfumery products.

Food — Intermediate in making synthetic flavors.

Pharmaceutical — Intermediate in making synthetic pharmaceutical chemicals.

Photographic — Intermediate in making synthetic photographic reagents.

Tetradecanol

(7-Ethyl-2-methylundecanol-4)

Chemical—Antifoaming agent for various purposes, where high temperatures are encountered and the more volatile antifoaming agents would be lost by evaporation.

Suggested intermediate in making detergents, flotation agents, plasticizers, wetting agents, insecticides, and pharmaceutical chemicals.

Cosmetic—Suggested intermediate in making cosmetic bases and perfume esters.

Dye—Suggested intermediate in making synthetic dyestuffs.

Tetramethylol Cyclohexanol

Paint and Varnish — Starting point in making synthetic drying oils by esterification with unsaturated acids, such oils being of interest for exterior paints and enamel vehicles, and useful as solvents for alkyd resins.

Oils, Fats and Waxes

Prices of oils and fats continued unsettled last week. Further declines took place in edible grades—corn and soybean oils closing fractionally lower. Consuming inquiry was at low ebb, which is usual at this season. Price index declined 2.9 points.

Weakness of greases and lower grades of tallow affected other industrial animal oils and quotations while unchanged were merely nominal and could have been shaded for grease and tallow oils. Red oil, stearic and tallow fatty acids also were weaker and cut ¾ cent per pound, by most makers, while stearic acid was reduced only in some quarters. Vegetable fatty acids also were unsettled and under selling pressure.

Linseed oil was dropped drastically, crushers reducing prices 1⅜ cents per pound. Trading has been dull of late and competition has become keener. Tung oil was firmer and raised fractionally due to light supplies and improved consuming demand for nearby oil. Dehydrated castor oil was inactive, but strong owing to tight supply condition. Oiticica oil was dull and featureless and could have been shaded on firm bids.

Coconut oil continued easy and dropped fractionally due to slow demand and lower copra, which declined $7.50 per ton.

Stronger primary markets tightened the local carnauba market. Offerings of fatty were smaller and advanced about 5 cents per pound. Some sellers withdrew from the market. Ouricury wax also was higher for shipment and spot stocks were lifted 3 to 5 cents per pound, as to seller.

Cottonseed Oil

Market for bleachable cottonseed oil futures was irregular last week. Liquidation was liberal early resulting moderate declines, which were regained late in the period under active short covering and light trade pressure. Trading of good volume, but not as heavy as the past fortnight. Tenders on December contracts were increased to 455 and were stopped. Consuming inquiry was reported practically at a standstill, which is usual at this season.

Crude oil was inactive, though steady. Prices were nominal at 13⅛c. per pound, tankcars, f.o.b. mills, Southeast and Valley and 13c., Texas.

Sales and prices of prime summer yellow cottonseed oil in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended December 21 follow:—

	Sales	Cents per pound High	Low	Close
January	12	15.57	15.45	15.63S
March	621	16.28	15.83	15.98S
May	1,207	16.57	16.07	16.27S
July	1,182	16.80	16.25	16.54S
September	134	16.43	15.95	16.19S
October	57	16.06	15.52	15.88@16.00
December	1	15.50	15.50	15.55@16.00

Total sales, 3,214 tankcars.

Memphis.—Trading light. Crude cottonseed oil quoted at 13¼c. per pound, tankcars, f.o.b. mills, nearby and crude soybean oil 12½c., December-January. Cottonseed, peanut and soybean meals continued in demand at ceiling prices. Mills apparently sold far ahead. Supply situation tight, with no weakness in sight.

Linseed Oil

Lower flaxseed market unsettled linseed oil and quotations were cut 1⅜c. per pound. Business showed no improvement and was practically at a standstill. Withdrawals of oil against former contracts also dropped off, while good sized quantities were scheduled for delivery after the turn of the year. Raw oil was quoted at 18.80c. per pound, tankcars.

Linseed Meal—Supply situation tightened offerings were scarcer and market was merely nominal.

Minneapolis.—The general situation on linseed meal became tighter than ever the past week. Nothing was being offered and extracted linseed meal was being nominally quoted by jobbers at $66 per ton, bulk, f.o.b., Minneapolis; expeller meal at $68 per ton. Actually, no trading was taking place as meal was spoken for well into the month of May. Shipping directions were heavy but crushers had difficulty in filling orders.

Shipments of linseed meal, in pounds, were as follows:—

	1951-52	1950-51
Past week	12,720,000	24,300,000
Since Sept. 1	226,500,000	323,140,000

Flaxseed—Trading was light and spotty. Price fluctuations were narrow. Market remained steady.

Minneapolis.—Activity tapered off in both the cash and futures flax markets last week. Offerings were extremely light but this had little effect on cash prices as processors were not very aggressive on the buying side. Prices ranged from $4.51 to $4.58 a bushel for No. 1 flaxseed. Buyers booked 26 cars and around 11,000 bushels in the spot cash market and only 3 cars and 32,000 bushels on a to-arrive basis. There was no feature to the trade. Government's final report on crops estimated flax crop at 33,802,000 bushels, which compared with last year's output of 40,236,000 bushels and the 10-year (1940-49) average of 37,186,000 bushels.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1951-52	Receipts 1950-51	Shipments 1951-52	Shipments 1950-51
Past week	341,700	317,900	115,600	34,000
Since Sept. 7	15,739,000	18,448,900	2,373,400	2,404,800

Market Trends

Prices Advanced

Carnauba wax, No. 3, N. C., crude, 5c. per lb.
ref., 5c. per lb.
No. 1, yellow, 1c. per lb.
No. 2, yellow, 1c. per lb.
Peanut oil, ½c. per lb.
Tung oil, ¼c. per lb.

Prices Reduced

Babassu oil, ½c. per lb.
Coconut oil, ⅝c. per lb.
Copra, $10 per ton.
Corn oil, ½c. per lb.
Greases, ¼c. per lb.
Linseed oil, 1 2/5c. per lb.
Red oil, ¾c. per lb.
Soybean oil, ¼c. per lb.
Stearic acid, ¾c. per lb.
Tallow fatty acid, ¾c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	July 1, 1950	Dec. 22, 1950
155.2	158.1	160.2	117.3	199.5

(For Current Prices see Page 9)

Other Vegetable Oils

Babassu—Prices were lower with coconut oil, declining ½c. per pound. Tankcars were quoted nominally at 15c. per pound, New York basis.

Castor Dehydrated—Tight supply condition kept the market strong at unchanged quotations. Consuming inquiry continued slow.

Coconut—Market was easy, declining ⅝c. per pound. Crude oil was quoted at 11⅛c. per pound, tankcars, f.o.b. Pacific coast and 1c. more, New York delivery.

Copra—Shipments were weak and off $10 per ton. Inquiry was quiet. Market was nominal $167.50 per short ton, c.i.f. Pacific coast.

Corn—Light trading in crude corn was reported at 14c. per pound, tankcars, f.o.b. mills, off ½c. Refined also was unsettled and available at 17¼c. per pound, tankcars, New York delivery.

Cottonseed Refined—Lower crude oil weakened refined grades. Quotations declined ¼c. Tankcars were quoted at 17c. per pound, New York basis.

Oiticicia—Lack of buying interest kept this market unsettled. Refined oil was quoted nominally at 24½c. to 25c. per pound, tankcars, New York.

Olive—Quiet trading and liberal supplies on spot continued to affect this market. Prices were more or less nominal. Edible oil was offered at $2 to $2.10 per gallon, drums, duty paid on spot. Olive foots also were inactive and nominal at 17c. to 17½c. per pound, drums, as to quantity.

Peanut—Short covering raised prices up to 17½c. per pound tankcars f.o.b. mills, after selling down at 16c. Government peanut release last week were expected to produce about 60 tankcars of oil. Refined oil was lower at 19¾c. per pound, tankcars, New York delivery.

Soybean—Lower beans combined with slow demand further unsettled this market. Crude oil was off about ¼c. Light sales were reported at 12½c. per pound, tankcars, f.o.b. mills, December-January shipment. January-March was offered at 12⅝c. and April-June, 13⅛c. Refined salad oil declined to 15¼c. per pound, tankcars, New York.

Sales and prices of prime crude soybean oil (Contract "W") on the N. Y. Produce Exchange in tankcars (60,000 pounds) for the week ended December 21 follow:—

	Sales	Cents per pound High	Low	Close
January	14	12.80	12.50	12.50S
March	32	13.15	12.81	12.85S
May	44	13.45	13.05	13.00@13.05
July	90	13.65	13.18	13.20S
September	23	13.65	13.20	13.20S
December	1	13.00	13.00	13.07@13.12

Total sales, 212 tankcars.

Tung—Limited supplies and improved inquiry for nearby, created a firmer tone. Trading was moderate and spotty at 38c. per pound, tankcars, New York, nearby delivery and later bids were turned down

For Late Market Developments, See Page 4

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and 38¼c. maintained. January delivery was held at the same figure and 38c. for February. Some 300 tons of tung oil were sold at auction in the Argentine for late January or early February shipment, instead of immediate shipment.

Fats and Greases

Greases — Prices were easier and reduced ¼c. per pound for all grades. Moderate trading was reported at the decline. Offerings were liberal. Export inquiry was quiet. Choice white was quoted at 7¾c. per pound, tankcars, delivered; yellow, 6¼c.; house, 5¾c. and brown, 5c., same basis.

Lard — Trading was reported slow. Prices were without change and nominal. Lard stocks in Chicago totaled 11,036,995 pounds, December 15, against 7,084,220 pounds, December 1 and 20,584,120 pounds, December 15, 1950.

Tallow — Trading lacked snap. Prices were maintained for better grades, while special and No. 1 were off ¼c. per pound. Export business was inactive. Fancy was quoted at 7¾c. per pound, tankcars, delivered; extra, 7½c.; special, 6¾c. and No. 1, 6½c., delivered.

Fatty Acids

Increased offerings and lower cost of basic materials resulted in a reduction of ¾c. per pound for red oil, stearic and tallow fatty acids, while decline in stearic acid was not general. Business of late has been spotty. Red oil, single distilled, declined to 11¾c. per pound, tankcars and double, 14¼c., same basis. Drums carlots were 1½c. higher. Stearic acid single pressed was cut to 11¼c. per pound, carlots; double pressed, 11¾c. and triple, 14c., same basis. Less carlots commanded usual premiums. Tallow fatty acid, distilled was cut to 9½c. per pound, and hydrogenated to 11½c. per pound, drums, carlots.

Cake and Meal

Cottonseed Meal—All prices for shipments up to late spring were held at ceilings. After brisk buying spree for the past week, many holes seem to have been filled for shipments extending through April, and trading has now slowed down. It is impossible to find any large quantity of meal for either December or January shipment. Only occasional cars are coming into the market at prices of around $87 f.o.b. southeastern mills, which usually include jobbers' markups.

Minneapolis.—Raw linseed oil prices continued to fluctuate in a narrow range of 19c. to 20.2c. per pound the past week, closing around 19c. per pound. There were a few buyers in for tank lots early in week but, generally, the market held to the usual rut. There were the usual drumlot bookings for replacement.

Shipments of linseed oil, in pounds, were as follows:—

	1951-52	1950-51
Past week	6,720,000	7,920,000
Since Sept. 1	124,800,000	149,540,000

Peanut Meal—The government was expected to release peanuts to produce about 3,000 tons of meal. Supplies continued scarce, with the result that mills are asking $91 to $92 per ton, f.o.b.

Soybean Meal—The feed trade has open orders for any December meal, and in most cases January shipment will be taken at ceiling price. The Decatur basis ceiling is $74 per ton, bulk, although sources close to the government indicate there may be a change in this ceiling at an early date. Occasional cars become available and are rapidly taken from southeastern mills at ceilings governed by the base price of $74 per ton, Decatur, plus freight rate to the processing mills.

Waxes

Beeswax—This market was inactive, though prices were unchanged and steady. Firmness of crude was reflected in refined grades.

Carnauba—Market reacted sharply late in the week, following drastic advances for shipment of fatty from Brazil. This resulted in reduced offerings on the spot, advancing No. 3, N. C. crude, about 5c. from the low point. Sales early took place at 98c. and later offers were scarce and quoted nominally at $1.03 per pound, and refined $1.08. Yellow also was firmer and advanced 1c. Yellow, No. 1, was held at $1.24 to $1.25, and No. 2, $1.22 to $1.23.

Ouricury—Shipments were lifted drastically, about 10c. per pound. This was reflected locally and refined was boosted to 87c. to 90c. per pound, depending on seller and quantity.

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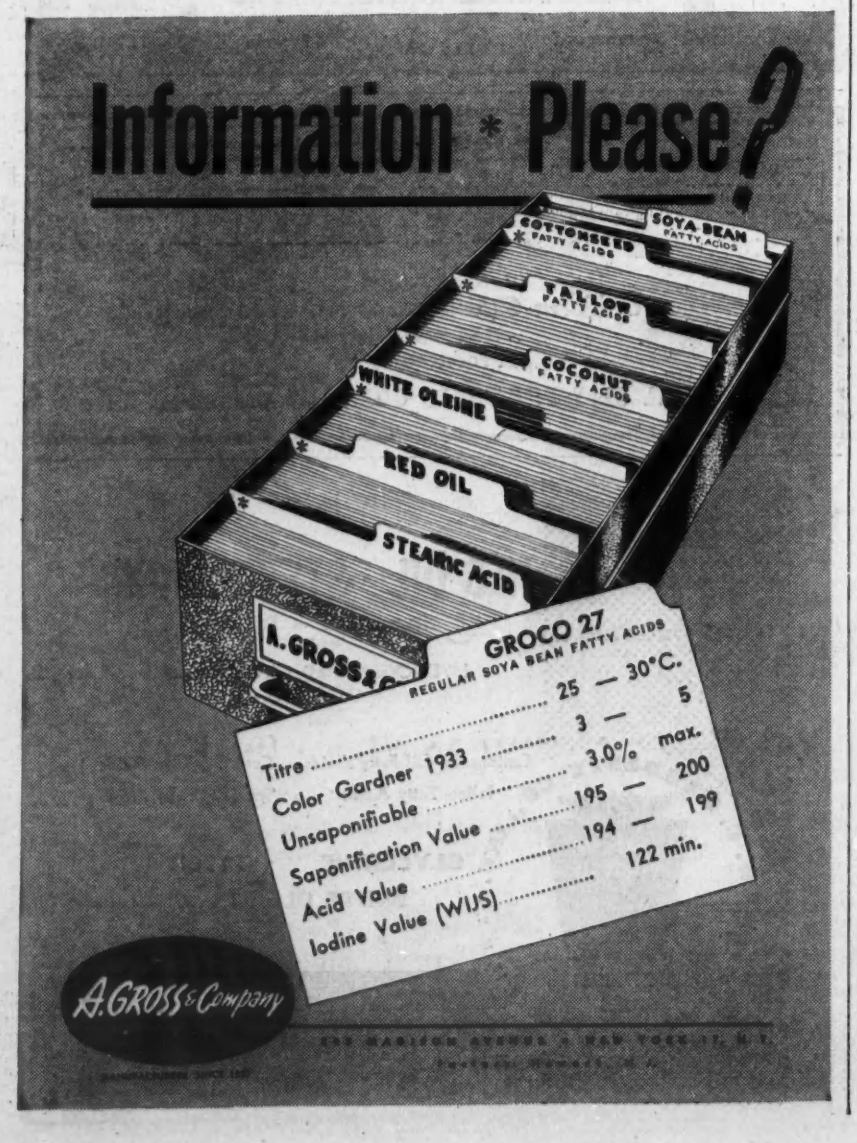

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4—SPERRY 36"x36" CORNER FEED IRON FILTER PRESSES.
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Rotary Cutters, Mikro Pulverizers & Fitzpatrick Comminuting machines.

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Baker Perkins Double Arm Mixers, 200 & 9 gals. Also Single Arm Mixers.
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1—Tyler 38 Jr. Hammer Screens, 20"x60".
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1—Rotex Sifter, 20"x64", 4 Surface.

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Impreg. Units, Lab or Pilot plant and up.
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1—42" dia. Copper Rectifying Column, 21' 2" high, 27 bubble cap plates, with 2 shell and tube copper condensers.
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CONTACT MR. ZAROW at Peoria 3-4324.

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STEEL STORAGE TANKS

Railroad Tank Car Tanks, 6,500 to 12,000 Gal. Cap., Coiled and Non-Coiled, Cleaned-Painted - Tested, Heavier - Safer - Cheaper. Other Tanks, Too.

Also—Complete Tank Cars
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Mill: Hardinge 5'x36" buhr. lined.
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Oil Purifier: De Laval No. 600, 2 hp. motor.
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Inspected and Approved For 400 lb. Pressure

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10—Pony Mixers, 5, 15, and 40 Gal.
1—Read Lab S.S. Motor Driven Dough Mixer, sigma blades.
HIGH SPEED Roller Mills, 9"x24" to 16"x48".
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Stainless Steel Tanks, new, 100 and 200 gal.
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1—A.P. Bartlett Mill & Motor.
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4—Tanks, 100,000 gals. each.
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Distributorship Wanted: Old established and adequately financed, with own warehouse and trackage facilities, interested in obtaining distributorship for State of California and adjacent states on basic raw materials and chemical products for the industrial trade. OPD 199.

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MATERIALS OFFERED

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MATERIALS WANTED

Do not wait until conditions further limit prospects of disposing of top-heavy inventories; will purchase surplus unshipped commodities, all kinds. Particularly interested in pigments, chemicals, dyes, colors, waxes, drugs, pharmaceuticals, etc. OPD 219.

Zein wanted any quantity. Will pay above market price, if within reason. Call or write Magnet Paint & Shellac Co., 4516 18th Ave., Brooklyn 4, N. Y. Gedney 8-8270.

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Wanted—Complete plants; also machinery Large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets: (3) machinery and equipment, whole, or in part Personnel retained where possible Strictest confidence Box 894 1474 Broadway New York 18 N Y

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POSITIONS WANTED

South America: American experienced South American international commerce specializing fats, oils, etc., shortly available for position with first class company. Now in Buenos Aires, but visiting east coast U. S. A. early 1952. Would consider Latin American appointment. Replies OPD 226.

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Want to represent industrial or heavy chemical industry in the Kansas City, Missouri, area on a distributor, agent, jobber or franchise basis. Chemical and Sales qualifications will be forwarded on request. Age 36—Married—Son—Own Home—Financially and Morally stable. Write J. D. Bradley—7735 Walnut St., Kansas City, Missouri.

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Rapidly expanding color manufacturer wants first class sales respesentative in the following areas: Cincinnati, Ohio; New Orleans, Louisiana; Dallas, Texas; Kansas City, Missouri; St. Louis, Missouri. OPD 227.

SERVICES OFFERED

Organic chemist, PhD, with own laboratory, available consultation, development, or formulate, supervise program for your personnel. Emulsions, wetting agents, etc., for textile, toiletry, food, pharmaceutical, paint, metal working etc., fields. Moderate fees. OPD 187.

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FOR SALE OR LEASE

(WHOLE OR IN PART)

CAPACITY ABOUT

1,500,000 GALS.

Comprising:

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CONDENSERS	KETTLES	SIFTERS
DRYERS	KILNS	STILLS
EVAPORATORS	MILLS	TANKS

Address offers — Box 216, Oil, Paint and Drug Reporter, 30 Church St., New York 7, N. Y.

US Urged to Increase

—Continued from page 3

increase during the next five years would bring consumption to 2,351,000 tons for 1955-56, he said.

An industry spokesman stated that it was easy to look at what the nation might need but that the manufacturer of nitrogen fertilizers had to look at financial realities and ask himself if he could sell his product and if demand would be equivalent to potential production.

A representative of the Munitions Board announced that the Department of Defense had agreed to permit the leasing of three ordnance works in the industrial reserve in Oklahoma, Ohio and Pennsylvania for the production of nitric acid. Each of the units in the plants has a daily capacity of fifty tons of nitric acid. Facilities of two other ordnance works, one in Missouri and the other in West Virginia, are available for off-site use. The combined facilities at the two plants are sufficient to provide 90 percent of the equipment needed for a manufacturing unit capable of making fifty tons of nitric acid a day.

Fluorspar Use Order

—Continued from page 4

pellant in military "bugbombs," Freon to initially charge limited production of refrigeration equipment as permitted under NPA metal orders (estimated at only 93 percent of 1950 consumption), Freon for fluorocarbon plastics, ammonium bifluoride to revive oil wells, refining of rare metals, etching of scientific glassware, laboratory reagent use, and any other direct military use.

2. Limit all other uses, largely civilian, to 100 percent of consumption during the calendar year 1950.

In the discussion on the fluorspar limitation order, industry spokesmen suggested that NPA reconsider its intention to set up a new grade for fluorspar because the industry now operates on three grades—acid, ceramic and metallurgical. The acid grade contains 97 percent calcium fluoride compared with the 96 percent suggested by NPA for "high-grade" fluorspar. The committee also suggested that the forty-five day inventory limitation be qualified to allow for production problems arising out of winter weather and spring flood conditions.

Sun Oil Appoints Rabbitt General Traffic Manager

Sun Oil Company, Philadelphia, has announced the appointment of Thomas G. Rabbitt as general traffic manager, succeeding Porter L. Howard, who will retire on December 31.

Mr. Rabbitt has had more than thirty-four years' experience in Sun's traffic department, serving as assistant general traffic manager since July of last year. Mr. Howard will have completed thirty-two years of service with Sun Oil on his retirement. He has headed the company's traffic department for the past twenty-one years.

The company has also announced the appointment of new managers for the Syracuse, N. Y., and Long Island City, N. Y., marketing districts. Raymond J. Reilly has been moved to the Syracuse post from Rochester, N. Y., where he served as district manager since January, 1940. Louis J. Ford, new manager of the Long Island City district, is Mr. Reilly's predecessor at Syracuse, having served as district manager there since January, 1938.

Dr. Charles L. Thomas has joined Sun's research and development staff. For the past six years Dr. Thomas has been director of research and development for the Great Lakes Carbon Corporation. Prior to that, he was with Universal Oil Products Company for many years, doing work on catalysts and catalytic processes for petroleum refining.

Atlantic Names Hersberger Manager of Product Sales

Dr. Arthur B. Hersberger, who had been manager of the chemical products section of the domestic sales department of the Atlantic Refining Company, Philadelphia, has been appointed manager of the company's product sales division. He is succeeded in his former post by John M. Hoerner, who had been serving as sales supervisor in the chemical products section until his promotion.

Dr. Hersberger joined Atlantic in 1936 as an associate chemist. In 1940 he became a group leader in the company's research and development department, and in 1944 he was made a divisional director. He was appointed manager of the newly-created chemical products section in 1947.

Mr. Hoerner started with Atlantic in 1931 as a junior chemist, was appointed to specialty sales in 1935, and was made sales supervisor in the chemical products section in 1947.

4 MEN WANTED

by

LARGE MANUFACTURER OF BULK MEDICINAL CHEMICALS

Two Salesmen — chemical education, and some selling experience essential.

Pharmaceutical Chemist, to direct Application Laboratory, Ph. D. preferred.

Staff Pharmaceutical Chemist

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